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OM nucleic - nucleic search, using sw model

Run on: December 18, 2003, 22:25:46 ; Search time 66 Seconds (without alignment B)

Title: US-09-898-554-13

Perfect score: 744

Sequence: 1 atgactttgtatcagaatgat.....caaatcatttgcataattttag 744

Scoring table: IDENTITY NUC Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing First 45 summaries:

Database : Issued\_Patents\_NA:\*

1: /cgn2\_6/picodata/1/inia/5A\_COMBO.seq:\*

2: /cgn2\_6/picodata/1/inia/5B\_COMBO.seq:\*

3: /cgn2\_6/picodata/1/inia/6A\_COMBO.seq:\*

4: /cgn2\_6/picodata/1/inia/6B\_COMBO.seq:\*

5: /cgn2\_6/picodata/1/inia/PCTUS\_COMBO.seq:\*

6: /cgn2\_6/picodata/1/inia/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	298.2	40.1	1318	2	US-09-898-554-5	Sequence 5, Appli
2	298.2	40.1	1318	3	US-09-898-554-5	Sequence 5, Appli
3	38.6	1897	2	US-09-898-554-1	Sequence 1, Appli	
4	287.2	38.6	1897	3	US-09-898-554-1	Sequence 1, Appli
5	287.2	38.6	1906	2	US-09-898-554-3	Sequence 3, Appli
6	72.4	38.6	1906	3	US-09-898-552-3	Sequence 3, Appli
7	72.4	9.7	990	2	US-09-688-342-2	Sequence 2, Appli
8	72.4	9.7	990	2	US-09-113-788-2	Sequence 2, Appli
9	72.4	9.7	990	3	US-09-016-434-804	Sequence 3, Appli
10	61.2	8.2	528	3	US-09-772-440-7	Sequence 7, Appli
11	61.2	8.2	2298	3	US-09-772-440-1	Sequence 1, Appli
c 12	59.4	8.0	7218	1	US-09-453-14	Sequence 14, Appli
13	49.6	6.7	378	3	US-09-772-440-9	Sequence 9, Appli
14	45.2	6.1	5661	4	US-09-93-105-2	Sequence 2, Appli
15	41.8	5.6	340	1	US-09-175A-104	Sequence 104, App
16	41.8	5.6	340	5	PCT-US52-06412-104	Sequence 104, App
c 17	40	5.4	16442	3	US-09-781-891-208	Sequence 208, App
c 18	40	5.4	16442	4	US-09-118-166-208	Sequence 208, App
19	40	5.4	1644976	4	US-09-916-421B-1	Sequence 1, Appli
20	39.2	5.3	1212	3	US-09-591-435-11	Sequence 11, Appli
21	38.6	5.2	289	3	US-09-007-005-17	Sequence 17, Appli
22	38.6	5.2	289	3	US-09-244-796-17	Sequence 1, Appli
23	38.4	5.2	926	2	US-09-919-145-1	Sequence 1, Appli
24	38.4	5.2	926	3	US-09-34-889-1	Sequence 1, Appli
25	38	5.1	3489	2	US-09-728-223A-1	Sequence 1, Appli
26	38	5.1	3489	4	US-09-298-568-1	Sequence 1, Appli
27	38	5.1	3489	4	US-09-410-399-1	Sequence 1, Appli

## ALIGNMENTS

RESULT 1  
US-09-898-554-5

/ Sequence 5, Application US/08809494A  
; Patent No. 5962360

; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391

; COMPUTER READEABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.3.0

; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809 494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363 PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-1090  
; TELEFAX: 212 818-9419  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1318 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Homo Sapiens

TISSUE TYPE: Lung, placenta  
 IMMEDIATE SOURCE:  
 LIBRARY: Human lung cDNA  
 CLONE: lambdaLoX-1  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 66..1125  
 FEATURE:  
 NAME/KEY: 3'UTR  
 LOCATION: 949..1309  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 127..948  
 US-08-809-49A-5

Query Match Score 298.2; DB 2; Length 1318;  
 Best Local Similarity 72.6%; Pred. No. 2.1e-82;  
 Matches 400; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

Qy 183 AGCCCTGAGAGAGCTGAAACTCTCAGGGACTCCAGAGAACACTCAAGGGAAAGAT 242  
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Qy 243 AGACACCCTCACCTTGAACTGTGAAGGAATCCAAAGGAGGAGCTTCTACAGAA 302  
 Db 444 AGAACCCCTGCTGTCGAACCTGAACTTCACCAACCA 503

Qy 303 GAATGAACTCCAGAACGCCCTGCAALAGCTGCAAACATTTCAGGTCCTGTCCACA 362  
 Db 504 GAATCTGAATCTCCAGAAACATGAGTAGACATGAGTAGAAATTCACAGGC 563

Qy 363 AGACTGGCTCTGGCATATAAGAAAACCTGTACCTCTT--CCATGGCCCTTGGCTGGAA 419  
 Do 564 AGACTGGATCTGGCATGAAATGTTACCTATTTCCTGGCTCATTTACTGGAA 623

Qy 420 AAAAACCGGAGACCTGCCAATCTTGGCTGGCAGTACTACAAATTAAATGCTGCGAGA 479  
 Db 624 AAAGGCAAGAGAAAGCTGTTGCTGGCAAGTGGCTGAAATTAATGACACGC 683

Qy 480 TGACTGACATTCTCATCTAACGAACTTCCCATTCCACCTCCCATCTGGATTGGTT 539  
 Db 684 TGATCTGGACTTCATCCAGGAAGCAATTCTCCATTCTCCATTCTGGATGGGCT 743

Qy 540 GCATCGGAAGAAAGCTGCCAACATGGCTATGGAACTCTTGTGATTTC 599  
 Db 744 GTCGGAGAACCCAGCTACCCATTCTGGCTTCTGGAGGACGGTCTCTGGCCA 803

Qy 600 ATTCTTAAGACCAAGGGCTTCTTACGCTATATTCATCAAGCAACTGTGGATACCT 659  
 Db 804 CCTATTAGTGAATGCTCCAGACATACCCCTCAGTAACTGTGATATAT 863

Qy 660 TCAAGACGGAGCTGCTGCTGAAACACGCACTTAAATGCTTCAAGGATCTCAGAA 719  
 Db 864 ACAACGGGGCTGTTATCGGAAACCTGCAATTAGCTGCTTCAAGTATCTCAGAA 923

Qy 720 GAAGCAATC 730  
 Db 924 GAAGCAACC 934

RESULT 2  
 US-09-352-302-5  
 Sequence 5, Application US/09352302

Patent No. 6197937  
 GENERAL INFORMATION:  
 APPLICANT: Sawamura, Tatsuya  
 APPLICANT: Masaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TITLE OF INVENTION: Receptor  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue

CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOSS/MS-DOSS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/352,302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE DOCKET NUMBER: JG-YY-4363PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 985-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1318 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo Sapiens  
 TISSUE TYPE: Lung, placenta  
 IMMEDIATE SOURCE:  
 LIBRARY: Human lung cDNA  
 CLONE: lambdaLoX-1  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 66..125  
 FEATURE:  
 NAME/KEY: 3'UTR  
 LOCATION: 949..1309  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 127..948  
 US-09-352-302-5

Query Match Score 298.2; DB 3; Length 1318;  
 Best Local Similarity 72.6%; Pred. No. 2.1e-82;  
 Matches 400; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

Qy 183 AGCCCTCAGCTGAAACTCTCAGGGACTCCAGAGAACACTCAAGGGAAAGAT 242  
 Db 384 AGCCGGAAACAGAGAAAGCTCACAGGAGTCAGAAACACTAAGGAATAT 443

Qy 243 AGACACCCTCACCTTGAACTGTGAAGGAATCCAAAGGAGGAGCTTCTACAGAA 302  
 Db 444 AGAACCCCTGCTGTCGAACCTGAACTTCACCAACCA 503

Qy 303 GAATCGAGACCTGCCAATCTTGGCTGGCAGTACTACAAATTAAATGCTGCGAGA 479  
 Db 504 GAATCTGAATCTCCAGAAACATGAGTAGACATGAGTAGAAATTCACAGGC 683

Qy 363 AGACTGGCTCTGGCATATAAGAAAACCTGTACCTCTT--CCATGGCCCTTGGCTGGAA 419  
 Do 564 AGACTGGATCTGGCATGAAATGTTACCTATTTCCTGGCTCATTTACTGGAA 623

Qy 420 AAAAACCGGAGACCTGCCAATCTTGGCTGGCAGTACTACAAATTAAATGCTGCGAGA 479  
 Db 624 AAAGGCAAGAGAAAGCTGTTGCTGGCAAGTGGCTGAAATTAATGACACGC 683

Qy 480 TGACTGACATTCTCATCTAACGAACTTCCCATTCCACCTCCCATCTGGATTGGTT 539  
 Db 684 TGATCTGGACTTCATCCAGGAAGCAATTCTCCATTCTCCATTCTGGATGGGCT 743

Qy 540 GCATCGGAAGAAAGCTGCCAACATGGCTATGGAACTCTTGTGATTTC 599  
 Db 744 GTCGGAGAACCCAGCTACCCATTCTGGCTTCTGGAGGACGGTCTCTGGCCA 803

Qy 600 ATTCTTAAGACCAAGGGCTTCTTACGCTATATTCATCAAGCAACTGTGGATACCT 659  
 Db 804 CCTATTAGTGAATGCTCCAGACATACCCCTCAGTAACTGTGATATAT 863

Qy 660 TCAAGACGGAGCTGCTGAAACACGCACTTAAATGCTTCAAGGATCTCAGAA 719  
 Db 864 ACAACGGGGCTGTTATCGGAAACCTGCAATTAGCTGCTTCAAGTATCTCAGAA 923

Qy 720 GAAGCAATC 730  
 Db 924 GAAGCAACC 934

RESULT 2  
 US-09-352-302-5  
 Sequence 5, Application US/09352302

Patent No. 6197937  
 GENERAL INFORMATION:  
 APPLICANT: Sawamura, Tatsuya  
 APPLICANT: Masaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TITLE OF INVENTION: Receptor  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue

Qy 303 GAATCGAGACCTGCCAATCTTGGCTGGCAGTACTCAAGGAAAGCTGCTGCGAGA 479  
 Db 504 GAATCTGAATCTCCAGAAACATGAGTAGACATGAGTAGAAATTCACAGGC 683

Qy 363 AGACTGGCTCTGGCATATAAGAAAACCTGTACCTCTTGGCTGGCTGGAA 419  
 Db 564 AGACTGGATCTGGCATGAGTAGACATGAGTAGAAATTCACAGGC 623

Qy 420 AAAAACCGGAGACCTGCCAATCTTGGCTGGCAGTACTACAAATTAAATGCTGCGAGA 479

Db 624 AAAGGCCAAGGAAGTGTCTTGGATCCAAGTTGCAATTAAATTAGCAAGC 683  
 Qy 480 TGATCTGACATCATCTAACGCAATTCCATACCACTTCCCATTCTGGATTGATT 539  
 Db 684 TGATCTGACATCATCTAACGCAATTCCATTCCTATTCAGTTCTGATEGGCT 743  
 Qy 540 GCATCGGAAGAACGCCAACCATGGAAACTCTTGAAATTCA 599  
 Db 744 GTCTCGAGAACGCCAACCATGGAACTCTTGAAATTCA 599  
 Qy 600 ATTCTTAAGACCGGGCTTCTTACAGTATTCATCAAGAAGACTGTGCATCT 659  
 Db 804 CTTATTTAGAGTCGAGCTCGAGCTACCCCTCAGTAGCTTGTCATAT 863  
 Qy 660 TCAAGACGGAGCTGGTGTCTTACAGTATTCATCAAGAAGACTGTGCATCA 719  
 Db 864 ACAACGGGGAGCTGGTTATGGGAAACTGCATTTPAGCTGCATATGTCAA 923  
 Qy 720 GAAGACAATC 730  
 Db 924 GAGGCCAACC 934

RESULT 3  
 US-09-898-554-13.rni  
 Sequence 1, Application US/08809494A

GENERAL INFORMATION:

APPLICANT: Sawamura, Tattuya

APPLICANT: Masaki, Tomoo

TITLE OF INVENTION: Modified Low-Density Lipoprotein

TITLE OF INVENTION: Receptor

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel

STREET: 261 Madison Avenue

CITY: New York

STATE: NY

COUNTRY: USA

ZIP: 10016-2191

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/809,494A

FILING DATE: 24-NOV-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

NAME: Goldberg, Jules E

REGISTRATION NUMBER: 6-321705

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 30-NOV-1994

FILING DATE: 31-JUL-1995

ATTORNEY/AGENT INFORMATION:

NAME: Goldberg, Jules E

REGISTRATION NUMBER: 24-408

REFERENCE/DOCKET NUMBER: JG-YY-4363PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212 986-4090

TELEFAX: 212 818-9479

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1897 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Bos taurus  
 TISSUE TYPE: vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cell cDNA  
 CLONE: pBLoX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1880..1897  
 FEATURE:  
 NAME/KEY: misc RNA  
 LOCATION: 1859..1864  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: 848..1897  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..847  
 US-09-809-494A-1

Query Match Score 38.6%; Score 287.2%; DB 2;  
 Best Local Similarity 71.0%; Pred. No. 6..48..79;  
 Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

Qy 183 AGCCCTGCAGAGCTGCAAACTCTTCAAGGACTCCAGAGAAACTCAAGGAAAGAT 242  
 Db 280 AGCCAGCGCGATGAGAAAATGCCAGGAGTCAGAAGGAACTAAAGAAATGAT 339  
 Qy 243 AGACACCTCACCTGAAAGCTGAAAGGAAATCCAAAGGAGGAGCTCTACAGAA 302  
 Db 340 AGAACCCCTGCCCCAACAGTGGATGAGAAACTATGGAAACTCTACGCCA 399  
 Qy 303 GAATCAGAACCTCCAGAGCCCTGCAAGAGCTGCAAACTTCAAGGCTCTTCCACA 362  
 Db 400 GAA CCTGAATCTCCAGAAGTCTGAAAGGGCAAAACTATCAGGCTCTTCCCCA 459  
 Qy 363 AGACCTGGCTGGATAAGAAACCTGTACCT - - TCTTCAGGGCCCTTGGCTGGGA 419  
 Db 460 AGACTGGCTCTGGCTGAGAAACCTGTACCTAACATTTCCTCGCTCTTTAATGGGA 519  
 Qy 420 AAAAACCCGGCACCTGCCAAATTTGGGTGCAACTTAAATGGTGCAGA 479  
 Db 520 AAAGCCAGGAACTCCAGAAATGTTCCAGTTCTGGGGGGTT 579  
 Qy 480 TGATCTGACATTCTCTTCAAGGAATTCTCCACCTTCTGGATGGTCAATTGTTCA 599  
 Db 580 TGAATCTGGAACTTCAGCAAACTACTCTGGCTTGGGGAGATGGTACTCTTGAACCCCCA 639  
 Qy 600 ATCTTCTAGACCAAGGGCTTCTTACAGCTATATCAAGCAACTGTGCATACT 659  
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 Db 760 TCAAGGGAACTGTTGGCTGAAAACCTCATTTAACTGCAATTGCAATATGCAAA 819  
 Qy 720 GAAGACAATCATG 735  
 Db 820 GAAGCGGAATCTATG 835

RESULT 4  
 US-09-352-302-1  
 Sequence 1, Application US/09352302  
 Patent No. 619737  
 GENERAL INFORMATION:

APPLICANT: Sawamura, Tatsuya  
 APPLICANT: Masaki, Tomoo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 NUMBER OF SEQUENCES: 8  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/352,302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363 PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 SEQUENCE FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1897 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cell cDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1880..1897  
 FEATURE:  
 NAME/KEY: misc\_rna  
 LOCATION: 1859..1864  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5'UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3'UTR  
 LOCATION: 848..1897  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..847  
 Query Match 38.6%; Score 287.2; DB 3; Length 1897;  
 Best Local Similarity 71.0%; Pred. No. 6..48-79; Gaps 1;  
 Matches 395; Conservative 0; Mismatches 158; Indels 3;

US-09-352-302-1

Query 183 AGCCCTGAGAGAGTGGCAAACCTCTCAGAGAGAAACTCAAGAGAAAGAT 242

Db 280 AGCCAGCGGGATCAGAAAATCTGCCAGGAGTCACAGAGGAACCTCAAAGAAATGAT 339  
 Qy 243 AGACACCTCAGCTTAAGCTGAACTGAAATCCAAAGGAGGAGGTCTCACAGAA 302  
 Db 340 AGAAACCTTGTGCCAGAGCTGGATGAAATCCAGAAACTAACTGAACTTCACCGCCA 399  
 Qy 303 GAATCAGAACCTCCAGAAAGCCCTGAAAGGTGCAAACCTTTAGGTCTTGTCACA 362  
 Db 400 GAACTGAAATTCAGAGTCTGAAAGGAGCAGAAACTATTGAGTCCTTGCCCCA 459  
 Qy 363 AGACTGGCTCTGGCATTAAGGAAACCTGTTACCTGCATTAATGGCAGA 419  
 Db 460 AGACTGGCTCTGGCATTAAGGAAACCTGTTACCAATTTCCTGCTTAAATGGGA 519  
 Qy 420 AAAAACCGGAGAACCTGCCAAATCTTGGTGGCAGTTACTACAAATTATGGCAGA 579  
 Db 520 AAAAACCGGAGAACCTGCTGTCTGGATGTCATTTGAGTAACTGAGTACAGACA 579  
 Qy 480 TGATCTGAACTCATCTTACAGCATTTCCATACCCTCCCATTGGATGGATT 539  
 Db 580 TGACCTGAACTCATCTCAGCATTTCCATACCCTCCCATTGGATGGATT 639  
 Qy 540 GCATCGAAGAGGCCTGGCCAAACCATGGTATGGAAATGGAACTCCTTGAATTTCA 599  
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 RESULT 5  
 US-08-109-494-A-3  
 Sequence 3, Application US/08809494A  
 Patent No. 5932260  
 GENERAL INFORMATION:  
 APPLICANT: Sawamura, Tatsuya  
 ADDRESS: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24-MAR-1997  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 PRIORITY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.

REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1905 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells cDNA  
 CLONE: pBLoX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1889..1906  
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 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
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 NAME/KEY: 5' UTR  
 LOCATION: 1..34  
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 NAME/KEY: 3' UTR  
 LOCATION: 857..1906  
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 NAME/KEY: CDS  
 LOCATION: 35..856  
 US-08-809-494A-3

Query Match 38.6%; Score 287.2; DB 2; Length 1906;  
 Best Local Similarity 71.0%; Pred. No. 6.4e-9;  
 Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

Qy	183 AGCCACCTCACCTTGAGCTGAAACTCTTCAGAGGAGTCCAGAGAACCTCAAGGGAAAGAT	242
Db	289 AGCCACGCCATCAAAATCTGGCAGAGTCATGAAACTTCAAGAGAACCTCAAGAAATGAT	348
Qy	243 AGACACCTCACCTTGAGCTGAAACTCTTCAGAGGAGTCCAGAGAACCTCAAGGGAAAGAT	302
Db	349 AGAAACCTTGCCACAGTCATGAAACTTCAAGAAACTTCAAGAGAACCTCAAGGGAAAGAT	408
Qy	303 GAATCAGAACCTCCAGAAGGCCCTGAAAGAGCTGAAACTTTCAAGTCTGTGACACA	362
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Qy	600 ATTCCTTAAGACCAGGGCGCTTCTTACAGCTTATCATCAASCAAATCTGTCATACT	659
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RESULT 6  
 US-09-352-302-3  
 Sequence 3, Application US/09352302  
 Patent No. 6197337  
 GENERAL INFORMATION:  
 APPLICANT: Sawamura, Tatsuya  
 ADDRESS: Masaki, Tokyo  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 TITLE OF INVENTION: Receptor  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/3522.302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells CDNA  
 CLONE: pBLoX-1  
 FEATURE:  
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 LOCATION: 1889..1906  
 FEATURE:  
 NAME/KEY: misc\_RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5'UTR

LOCATION: 1..34  
 FEATURE: 3'UTR  
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 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..856  
 US-09-352-302-3

Query Match Score 287.2; DB 3; Length 1906;  
 Best Local Similarity 71.0%; Pred. No. 6.4e-79;  
 Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

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Db 649 GTCATGGAAACCCATTACTGTGGCTTCTTACGCTATATTCATCAAGCAACTGTGCATACCT 659
QY 600 ATTCTTAAGACCAAGGGCTTCTTACGCTATATTCATCAAGCAACTGTGCATACCT 659
Db 709 CTGTTAGATTCAAGGAGCTGGTTCCTGTGATGAACTGTGATATAT 768
QY 660 TCAAGACGGAGCTGTTGCTGAAACACGCACTTCAATTGCTGATTAGTCAAGAA 719
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MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/688,342  
 FILING DATE: Filed Herewith  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0095-1 CIP  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 990 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 IMMEDIATE SOURCE:  
 LIBRARY: MMLR1DT01  
 CLONE: 515847  
 US-08-688-342-2

Query Match Score 9.7%; DB 2; Length 990;  
 Best Local Similarity 52.0%; Pred. No. 1.4e-12;  
 Matches 204; Conservative 0; Mismatches 176; Indels 6; Gaps 2;

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Qy 404 GGCCCTT---TGGCTGGAAAAAACGGGAGACCTGCAATCTTGGTGGCCAACTTAC 460
Db 343 TGTCACTAAATTCCTGGATGGATGAAAGATACTGGCTCAACTGGGTCTAATCTCC 402
Qy 461 TACAAATAATGGTGGAGATGATGATGACATTCACTTCTTACATCA 517
Db 403 TAAGATAGACAGCTCAATGATGATTGGATTATAGTAAACAAAGTGTCTCCAACTGT 462
Qy 518 CCTCCCCATTCTGGATGGTGGATGGCATGGAAAGAACCTGGCTATGGGAGA 577
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Qy 578 ATGGAACTCTTGTGAATTTCATTTAGACCAAGGGGTTCTTACAGTTATT 637
Db 523 ATGGATCAACATTCTCTCAACTTATTCGATGAAACCAAGCTACCTGCTAA 582
Qy 638 CATCAAGCAACTGTGATACCCATAGACGGAGCTGTGCTGAAACCTGCAATTCTAA 697
Db 583 CATCTCAAATGTGATGGATTCACTGTGATGTCATTATGACCAAATGTGTC 642
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RESULT 7  
 US-08-688-342-2  
 Sequence 2, Application US/08688342  
 Patent No. 5,871,964  
 GENERAL INFORMATION:  
 APPLICANT: Au-Young, Janice  
 APPLICANT: Cocks, Benjamin G.  
 APPLICANT: Goli, Surya K.  
 APPLICANT: Hillman, Jennifer L.  
 TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 ZIP: 94304  
 COMPUTER READABLE FORM:

RESULT 8  
 US-09-113-788-2  
 Sequence 2, Application US/09113788  
 Patent No. 5,959,104  
 GENERAL INFORMATION:  
 APPLICANT: Au-Young, Janice  
 APPLICANT: Cocks, Benjamin G.  
 APPLICANT: Goli, Surya K.  
 APPLICANT: Hillman, Jennifer L.  
 TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive



RESULT 10  
US-008-772-440-7 Application US/08772440  
; Sequence 7, Application US/08772440  
; General Information:  
; Applicant: Arikumi, Kiyoshi  
; Address: Takeshima, Akira  
; Title of Invention: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; Title of Invention: THEREOF  
; Number of Sequences: 42  
; Correspondence Address:  
; Street: P.O. Box 4433  
; City: Houston  
; State: Texas  
; Country: USA  
; Zip: 77210  
; Computer Readable Form:  
; Medium Type: Floppy disk  
; Computer: IBM PC compatible  
; Operating System: PC-DOS/MS-DOS  
; Software: Patent In Release #1.0, Version #1.30  
; Current Application Data:  
; Application Number: US/08/772,440  
; Filing Date: CONCURRENTLY HEREWITH  
; Classification: 435  
; Attorney/Agent Information:  
; Name: Parker, David L.  
; Registration Number: 32,165  
; Reference/DoCKET Number: UTXD:493  
; Telecommunication Information:  
; Telephone: 512/418-3000  
; Telefax: 512/474-7577  
; Information for SEQ ID NO: 7:  
; Sequence Characteristics:  
; Length: 528 base pairs  
; Type: nucleic acid  
; Strandedness: single  
; Topology: linear  
; US-08-772-440-7

RESULT 11  
US-08-772-440-1  
; Sequence 1, Application US/08772440  
; Patent No. 6046158  
; General Information:  
; Applicant: Arikumi, Kiyoshi  
; Address: Takeshima, Akira  
; Title of Invention: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; Title of Invention: THEREOF  
; Number of Sequences: 42  
; Correspondence Address:  
; Street: P.O. Box 4433  
; City: Houston  
; State: Texas  
; Country: USA  
; Zip: 77210  
; Computer Readable Form:  
; Medium Type: Floppy disk  
; Computer: IBM PC compatible  
; Operating System: PC-DOS/MS-DOS  
; Software: Patent In Release #1.0, Version #1.30  
; Current Application Data:  
; Application Number: US/08/772,440  
; Filing Date: CONCURRENTLY HEREWITH  
; Classification: 435  
; Attorney/Agent Information:  
; Name: Parker, David L.  
; Registration Number: 32,165  
; Reference/DOCKET NUMBER: UTXD:493  
; Telecommunication Information:  
; Telephone: 1/41-3000  
; Telefax: 512/474-7577  
; Information for SEQ ID NO: 1:  
; Sequence Characteristics:  
; Length: 236 base pairs  
; Type: nucleic acid  
; Strandedness: single  
; Topology: linear  
; Feature:  
; Name/Key: modified\_base  
; Location: 1,966  
; Other Information: /mod\_base= OTHER  
; /note= "Y = C or T"  
; US-08-772-440-1

Query Match 8.2%; Score 61.2%; DB 3; Length 528;  
Best Local Similarity 48.2%; Pred. No. 2.9e-09;  
Matches 236; Conservative 0; Mismatches 248; Indels 6; Gaps 2;

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Qy 299 AGAGAAATCGAACCTCCAAAGAACGCCCTGCAAAGAGCTGAAAATTTGGTCCTTGC 358  
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Qy 533 TGGATTGCTGGAGAGCTGGCCAACAGATGGCTATGGATAGACACTCTTGA 592  
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Qv 359 CACAGACTGCTCTGGCATAGAAACTGTAACTCTT 415

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SULT 12  
 -08-232-463-14/c  
 Sequence 14, Application US/08232463  
 Patent No. 5670367

GENERAL INFORMATION:  
 APPLICANT: DORNER, F.  
 APPLICANT: SCHEFFLINGER, F.  
 APPLICANT: FALKNER, F. G.  
 TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
 NUMBER OF SEQUENCES: 52  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Foley & Lardner  
 STREET: 180 Diagonal Road, Suite 500  
 CITY: Alexandria  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22313-0299

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentnet Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/232,463  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/07/935,313  
 FILING DATE:  
 COMPUTER READABLE FORM:  
 APPLICATION NUMBER: EP 91 114 300 6  
 FILING DATE: 26-AUG-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: BENT, Stephen A.  
 REGISTRATION NUMBER: 29,768  
 TELECOMMUNICATION INFORMATION:  
 REFERENCE DOCKET NUMBER: 30472/114 IMMU  
 TELEPHONE: (703) 836-9300  
 TELEX: (703) 683-4109  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 7218 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:

CLONE: ptZpzT-F16  
 US-08-232-463-14  
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 Db 1217 RRRRRRRRRR  
 Qy 250 CTCACTTGAA  
 Db 1157 RRRRRRRRRR  
 Qy 310 AACCTCCAGA  
 Db 1097 RRRRRRRRRR  
 Qy 370 CCTCGCATAA  
 Db 1037 CTCGAATTA  
  
**RESULT 13**  
 US-08-772-440-9  
 i Sequence 9, Application  
 i Patent No. 6646158  
 i GENERAL INFORMATION:  
 i APPLICANT: Takashim  
 i TITLE OF INVENTION:  
 i TITLE OF INVENTION:  
 i NUMBER OF SEQUENCES:  
 i CORRESPONDENCE ADDRESS:  
 i ADDRESSEE: Arnold  
 i STREET: P.O. Box  
 i CITY: Houston  
 i STATE: Texas  
 i COUNTRY: USA  
 i ZIP: 77210  
 COMPUTER READABLE FORM  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC  
 OPERATING SYSTEM:  
 SOFTWARE: Patent  
 CURRENT APPLICATION  
 APPLICATION NUMBER  
 FILING DATE: CONC  
 CLASSIFICATION: 4  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David  
 REGISTRATION NUMBER:  
 REFERENCE/DOCKET NUMBER:  
 TELECOMMUNICATIONS  
 TELEPHONE: 512/414-  
 TELEFAX: 512/474-  
 INFORMATION FOR SEQ ID  
 SEQUENCE CHARACTERISTICS  
 LENGTH: 378 base



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US-08-182-175A-104

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Best Local Similarity 47..5%; Pred. No. 0..0033; Gaps 0;
Matches 124; Conservative 0; Mismatches 137; Indels 0;

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Qy   180 AGAACGCCCTCGAGAGCTGCAAACCTCTCAGAGGAGTCCAGAGAGAACTCAAGGGAAA 239
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Qy   240 GATAGACACCTCACCTTGAGCTGAACTGAAAGGAGAAATCCAAGAGCAGGGAGGTCTACA 299
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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

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Gapop 10.0 , Gapext 1.0

Searched: 2211978 seqs, 1666101734 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

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3	671.4	90.2	1192	11	US-09-898-554-12	Sequence 12, App1
4	668.2	89.8	3763	10	US-09-870-759-141	Sequence 141, App1
5	668.2	89.8	3763	13	US-09-751-708A-141	Sequence 141, App1
6	615.4	82.7	1092	11	US-09-898-554-11	Sequence 11, App1
7	531.8	71.5	606	11	US-09-898-554-15	Sequence 15, App1
8	526.8	70.8	3750	10	US-09-898-554-17	Sequence 474, App1
9	526.8	70.8	3750	13	US-10-820-511-14	Sequence 14, App1
10	526.4	70.8	721	11	US-09-898-554-28	Sequence 28, App1
11	393.8	52.9	468	11	US-09-898-554-17	Sequence 17, App1
12	374.8	50.4	773	11	US-09-898-554-21	Sequence 21, App1
13	338.2	45.5	621	11	US-09-898-554-25	Sequence 25, App1
14	330.2	44.4	712	11	US-09-898-554-27	Sequence 27, App1
15	298.2	40.1	2473	15	US-10-198-846-13722	Sequence 13722, A
16	293.6	39.5	1578	13	US-10-220-511-12	Sequence 3, App1
17	287.2	38.6	1879	13	US-10-220-511-3	Sequence 9641, App1
18	277.8	37.3	736	15	US-10-198-846-9641	Sequence 10, App1
19	277.6	37.3	1514	13	US-10-220-511-10	Sequence 23, App1
20	188.8	25.4	495	11	US-09-898-554-23	Sequence 47, App1
21	170.4	22.9	2350	14	US-10-114-893-47	Sequence 7416, App1
c	96.2	12.9	912	15	US-10-198-846-7416	Sequence 5, App1
24	74.4	10.0	1018	13	US-10-270-470-5	Sequence 7, App1
25	72.4	9.7	880	13	US-10-270-470-7	Sequence 1760, App1
26	72.4	9.7	2349	15	US-10-102-524-1760	Sequence 1749, App1
27	72.4	9.7	954	15	US-10-102-524-1749	Sequence 476, App1
28	72.4	9.7	2478	10	US-09-978-2958-476	Sequence 476, App1
29	72.4	9.7	2478	10	US-09-978-697-476	Sequence 476, App1
30	72.4	9.7	2478	10	US-09-978-1928-476	Sequence 476, App1
31	72.4	9.7	2478	10	US-09-999-8328-476	Sequence 476, App1
32	72.4	9.7	2478	11	US-09-978-189-476	Sequence 476, App1
33	72.4	9.7	2478	11	US-09-978-6084-476	Sequence 476, App1
34	72.4	9.7	2478	11	US-09-978-824-476	Sequence 476, App1
35	72.4	9.7	2478	11	US-09-918-585A-476	Sequence 476, App1
36	72.4	9.7	2478	11	US-09-978-4038-476	Sequence 476, App1
37	72.4	9.7	2478	11	US-09-978-562A-476	Sequence 476, App1
38	72.4	9.7	2478	11	US-09-999-832A-476	Sequence 476, App1
39	72.4	9.7	2478	11	US-09-981-915A-476	Sequence 476, App1
40	72.4	9.7	2478	11	US-09-978-191A-476	Sequence 476, App1
41	72.4	9.7	2478	11	US-09-978-4238-476	Sequence 476, App1
42	72.4	9.7	2478	11	US-09-978-1928-476	Sequence 476, App1
43	72.4	9.7	2478	11	US-09-999-830A-476	Sequence 476, App1
44	72.4	9.7	2478	11	US-09-999-830A-476	Sequence 476, App1
45	72.4	9.7	2478	11	US-09-978-757A-476	Sequence 476, App1

**ALIGNMENTS**

RESULT 1  
US-09-898-554-13  
; Sequence 13, Application US-09898554  
; Publication No. US20030066673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R.  
; APPLICANT: WELCH, CARRIE L.  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS1 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS2 )  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 ( ATHS2 )  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 13  
; LENGTH: 744  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(744)

Best Local Similarity 100.0% ; Pred. No. 5e-234;  
Matches 744 ; Conservative 0; Nismatches 0; Indels 0; Gaps 0;

Query Match Score 744; DB 11; Length 744;

1 ATGACTTTCATGACAAGATGAACTGCCTGGAAATGAGCCGCTGTGTCAGAAGTCATGTGGC 60  
1 ATGACTTTCATGAGATGAGCTGGAAATGAGCCGCTGTGTCAGAAGTCATGTGGC 60

Query Match Similarity 90.2%; Score 671.4; DB 11; Length 1092;  
 Best Local Similarity 99.1%; Pred. No. 5.2e-210;  
 Matches 675; Mismatches 6; Indels 0; Gaps 0;

QY 121 AAGCTGGACGGAATTCAAGGGGAAACTCAAGGAGGCTTCTGGAGATGATTCAAGAACCTCCAA 180  
 Db 121 AAGCTGGACGGAATTCAAGGGGAAACTCAAGGAGGCTTCTGGAGATGATTCAAGAACCTCCAA 180

QY 181 GAAGCCCTGAGAGGCTGAAACTCTCAGGGAGTCCAGAGAACTCAAGGAAAG 240  
 Db 181 GAAGCCCTGAGAGGCTGAAACTCTCAGGGAGGCTTCTGGAGATGATTCAAGAACCTCCAA 240

QY 241 ATAGACA CCCTCACCTTGAGCTGAGCAGAAATCAGAAGGAGGTCTAGAG 300  
 Db 241 ATAGACA CCCTCACCTTGAGCTGAGCAGAAATCAGAAGGAGGTCTAGAG 300

QY 301 AAGATCAGAACCTCCAAAGGAGCTGCAAAGGAGCTTCAGGTCTTGTCCA 360  
 Db 301 AAGATCAGAACCTCCAAAGGAGCTTCAAGAGCTTCAAGAGGTCAAATTT 360

QY 361 CAAGACTGGCTCTGGCATAAAGAAAACCTTTACCTCTTCATGGGCCCTTGTGGAA 420  
 Db 361 CAAGACTGGCTCTGGCATAAAGAAAACCTTTACCTCTTCATGGGCCCTTGTGGAA 420

QY 421 AAAACCGGAGACCTGCAATCTGGCAGTACTACAATAATTATGGTGCATA 480  
 Db 421 AAAACCGGAGACCTGCAATCTGGCAGTACTACAATAATTATGGTGCATA 480

QY 481 GATCTGACATTCATCTTACAGCAATTTCATACCCTCCCCATTCTGGATTGT 540  
 Db 481 GATCTGACATTCATCTTACAGCAATTTCATACCCTCCCCATTCTGGATTGT 540

QY 541 CATCGGAAGAACGCTGGCAACCATGGCTATGGGAGATGGAACTCCCTTGAATTTCAA 600  
 Db 541 CATCGGAAGAACGCTGGCAACCATGGCTATGGGAGATGGAAACTCCCTTGAATTTCAA 600

QY 601 TTCTTTAAGCCAGGGGTTCTTACAGCTTATTCATCAAGCACTGTGATACTT 660  
 Db 601 TTCTTTAAGCCAGGGGTTCTTACAGCTTATTCATCAAGCACTGTGATACTT 660

QY 661 CAAGAGGAGCTGTGTTCTGGAGAAAAGCTGATTCATAATTGCAATTGGAG 720  
 Db 661 CAAGAGGAGCTGTGTTCTGGAGAAAAGCTGATTCATAATTGCAATTGGAG 720

QY 721 AAGACAAATCATTGCAAAATTAG 744  
 Db 721 AAGACAAATCATTGCAAAATTAG 744

RESULT 2  
 US-09-898-554-19  
 ; Sequence 19, Application US/09898554  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 19  
 ; LENGTH: 1092  
 ; APPLICANT: TALL, ALAN R.  
 ; APPLICANT: WELCH, CARRIE L.  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; GENERAL INFORMATION:  
 ; ; APPLICANT: TALL, ALAN R.  
 ; ; APPLICANT: WELCH, CARRIE L.  
 ; ; APPLICANT: LIANG, CHIEN-PING  
 ; ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; ; FILE REFERENCE: 0575/64077  
 ; ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; ; CURRENT FILING DATE: 2001-07-02  
 ; ; NUMBER OF SEQ ID NOS: 40  
 ; ; SOFTWARE: PatentIn version 3.1  
 ; ; SEQ ID NO: 12  
 ; ; LENGTH: 1192  
 ; ; APPLICANT: MURINAE GEN. SP.  
 ; ; FEATURE: CDS  
 ; ; LOCATION: (1) .. (1092)  
 ; ; OTHER INFORMATION:  
 ; ; NAME/KEY: misc feature  
 ; ; OTHER INFORMATION: Isoform 1  
 ; ; OTHER INFORMATION: Isoform 1  
 ; ; ORGANISM: Murinæ gen. sp.  
 ; ; FEATURE:

Query Match Similarity 90.2%; Score 671.4; DB 11; Length 1092;  
 Best Local Similarity 99.1%; Pred. No. 5.2e-210;  
 Matches 675; Mismatches 6; Indels 0; Gaps 0;

QY 64 AACCTTAAGAGGAGTCCAGAGAACTCAAGGAAAGATGACACCATCACCCGAAAG 123  
 Db 412 AACCTTCAGAGGTCAGGAGTCCAGAGAACTCAAGGAAAGATGACACCATCACCCGAAAG 471

QY 124 CTGGACAGAAATCAGAGGAGGAGGTCTGGAGATGATAGAACCTCCAGAA 183  
 Db 472 CTGGACAGAAATCAGAGGAGGAGGTCTGGAGATGATAGAACCTCCAGAA 531

QY 184 GCCCTGAGAGGCTGCAAACCTCTAGAGGAGTCCAGAGAACTCAAGGAAAGATA 243  
 Db 532 GCCCTGAGAGGCTGCAAACCTCTAGAGGAGTCCAGAGAACTCAAGGAAAGATA 591

QY 244 GACACCCCTCACCTTGAGCTGAACTGAAAGGAGGAGGTCTTCAAGAAAG 303  
 Db 592 GACACCCCTCACCTTGAGCTGAACTGAAAGGAGGAGGTCTTCAAGAAAG 651

QY 304 AATCAGACACTCCAGAGGCCCCTGCAAAGGCTGCAAACCTTCAAGGCTTCAACAA 363  
 Db 652 AATCAGACACTCCAGAGGCCCCTGCAAAGGCTGCAAACCTTCAAGGCTTCAACAA 711

QY 364 GACTGGCTCTGCATTAAGAAAAGCTTCACTCTTCATGGGCCCTTGTGGGAAAAA 423  
 Db 712 GACTGGCTCTGCATTAAGAAAAGCTTCACTCTTCATGGGCCCTTGTGGGAAAAA 771

QY 424 AACCGGAGACCTGGCAATCTGGGGCCAGTACTACAATAATTATGGTCAAGATG 483  
 Db 772 AACCGGAGACCTGGCAATCTGGGGCCAGTACTACAATAATTATGGTCAAGATG 831

QY 484 CTGACATTTCATCTTACAGCAATTTCATACCCTCCCCATTCTGGATTGTGCT 543  
 Db 832 CTGACATTTCATCTTACAGCAATTTCATACCCTCCCCATTCTGGATTGTGCT 891

QY 544 CGGAAGAGCTGGCCACCATGGCATGGGAACTCCCTTGAATTTCATTC 603  
 Db 892 CGGAAGAGCTGGCCACCATGGCATGGGAACTCCCTTGAATTTCATTC 951

QY 604 TTAGAGCAGGGGTTCTTACAGCTATAATTCAAGGAACCTCTGGCATACCTCAA 663  
 Db 952 TTAGAGCAGGGGTTCTTACAGCTATAATTCAAGGAACCTCTGGCATACCTCAA 1011

QY 664 GACGGAGCTGTGTTGCTGAAAGCTGATCTTACAGCATATGTCAAGAAAG 723  
 Db 1012 GACGGAGCTGTGTTGCTGAAAGCTGATCTTACAGCATATGTCAAGAAAG 1071

QY 724 ACAATCATTCATTCAGCAATTAG 744  
 Db 1072 ACAATCATTCAGCAATTAG 1092

RESULT 3  
 US-09-898-554-12  
 ; Sequence 12, Application US/09898554  
 ; Publication No. USC030068673A1.  
 ; GENERAL INFORMATION:  
 ; ; APPLICANT: TALL, ALAN R.  
 ; ; APPLICANT: WELCH, CARRIE L.  
 ; ; APPLICANT: LIANG, CHIEN-PING  
 ; ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHS02 )  
 ; ; FILE REFERENCE: 0575/64077  
 ; ; CURRENT APPLICATION NUMBER: US/09/898, 554  
 ; ; CURRENT FILING DATE: 2001-07-02  
 ; ; NUMBER OF SEQ ID NOS: 40  
 ; ; SOFTWARE: PatentIn version 3.1  
 ; ; SEQ ID NO: 19  
 ; ; LENGTH: 1192  
 ; ; APPLICANT: MURINAE GEN. SP.  
 ; ; FEATURE: CDS  
 ; ; LOCATION: (1) .. (1092)  
 ; ; OTHER INFORMATION:  
 ; ; NAME/KEY: misc feature  
 ; ; OTHER INFORMATION: Isoform 1  
 ; ; OTHER INFORMATION: Isoform 1  
 ; ; ORGANISM: Murinæ gen. sp.  
 ; ; FEATURE:

NAME/KEY: misc feature  
; OTHER INFORMATION: M-Isoform 1  
US-09-898-554-12

Query Match 90.2%; Score 671.4; DB 11; Length 1192;  
Best Local Similarity 99.1%; Prd. No. 5.4e-210;  
Matches 675; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy 64 AAGCCTAAAGGAGTCCCCAGAGAAGACTCAAGGAAGATAAGACCATACCCGGAG 123  
Db 512 AACTCTCAGAGGTCCAGAGAACTCAGGAAAGATAGACCATACCCGGAG 571

Oy 124 CTGGACCGAAATCCAAAGAGCCGGAGCTTCGGAGTAGTTGCAAGAACCTCCAGAA 183  
Db 572 CTGGACCGAAATCCAAAGAGCCGGAGCTTCGGAGTAGTTGCAAGAACCTCCAGAA 631

Oy 184 GCCTGGAGAGGACTCTCAGAGGAGTCCAGAGAACTCAAGGAAGATA 243  
Db 632 GCCCTGGAGAGCCTGAAACTCTCAGAGGAGCTGGAGTCAGAGAACTCAAGGAAGATA 691

Oy 244 GACACCTCACCTTGAGCTGAGCTGAAACCTCAAGAGCAGGAGGAGCTCTACAGAG 303  
Db 692 GACACCTCACCTTGAGCTGAGCTGAAACCTCAAGAGCAGGAGGAGCTCTACAGAG 751

Oy 304 AATCAGAACCTCCAAGGCCCCTGAAAGACTGCAAACTTTCACTGCTCTGTCACAA 363  
Db 752 AATCAGAACCTCCAAGGCCCCTGAAAGACTGCAAACTTTCACTGCTCTGTCACAA 811

Oy 364 GACTGGGAGACTCTGGCAATAAGAAAACCTGTTACCTCTCCATGGGCCCTTGGCTGGAAAAA 423  
Db 812 GACTGGCCTCTGGCAATAAGAAAACCTGTTACCTCTCCATGGGCCCTTGGCTGGAAAAA 871

Oy 424 AACCGGAGACTCTGGCAATAAGAAAACCTGTTACCTCTGGCAAGTGTAGT 931  
Db 872 AACCGGGAGACTCTGGCAATAAGAAAACCTGTTACCTCTGGCAAGTGTAGT 931

Oy 484 CTGACATTCATCTTACAGCAATTCCCATACCACTCCCATTCGGTGCAGATGCT 543  
Db 932 CTGACATTCATCTTACAGCAATTCCCATACCACTCCCATTCGGTGCAGATGCT 991

Oy 544 CGGAAGAAGCTGGCAACCATCTGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 603  
Db 992 CGGAAGAAGCTGGCAACCATCTGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 1051

Oy 604 TTAAAGACCAGGGGGTTCTTACAGTATATTCAAGAACCTGCTACCTCTCAA 663  
Db 1052 TTAAAGACCAGGGGGTTCTTACAGTATATTCAAGAACCTGCTACCTCTCAA 1111

Oy 664 GACGGAGCTGTGTGGTAAACTGGATTCTTAATGCTTACAGCATATGTCAAGAAAG 723  
Db 1112 GACGGAGCTGTGTGGTAAACTGGATTCTTAATGCTTACAGCATATGTCAAGAAAG 1171

Oy 724 ACAAATCATTGGAAATTAG 744  
Db 1172 ACAAATCATTGGAAATTAG 1192

RESULT 4  
US-09-870-759-141  
; Sequence 141, Application US/09870759  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; FILE REFERENCE: 810759  
; CURRENT APPLICATION NUMBER: US/09/870,759  
; PRIORITY APPLICATION NUMBER: US 6/208,128  
; PRIOR FILING DATE: 2000-05-30  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 141  
; LENGTH: 3763

TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (48)..(1139)  
; OTHER INFORMATION:  
US-09-870-759-141

Query Match 89.8%; Score 668.2; DB 10; Length 3763;  
Best Local Similarity 98.8%; Pred. No. 1.2e-208;  
Matches 673; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Oy 64 AAGCCTAAAGGAGTCCCCAGAGAAGACTCAAGGAAGACTCAGACCATACCCGGAG 123  
Db 459 AACCTCTCAGAGGTCCAGAGAACTCAAGGAAGACTCAGACCATACCCGGAG 518

Oy 124 CTGGACCGAAATCCAAAGAGCAGGAGGAGCTTCGGAGTAGTTGCAAGAACCTCCAGAA 183  
Db 519 CTGGACCGAAATCCAAAGAGCAGGAGGAGCTTCGGAGTAGTTGCAAGAACCTCCAGAA 578

Oy 184 GACACCTCACCTTGAGCTGAGCTGAAACCTTTCACTGCTCTGTCACAA 303  
Db 579 GCCCTGGAGAGGAGCTGCAAACTCTCAGAGGAGCTCCAGAGAACTCAAGGAAGATA 638

Oy 244 GACACCTCACCTTGAGCTGAGCTGAAACCTTTCACTAAGAGCAGGAGGAGCTTCAGAGAAG 303  
Db 639 GACACCTCACCTTGAGCTGAAACCTTTCACTAAGAGCAGGAGGAGCTTCAGAGAAG 698

Oy 304 AATCAGAACCTCCAAGGCCCCTGAAAGACTGCAAACTTTCACTGCTCTGTCACAA 363  
Db 699 AATCAGAACCTCCAAGGCCCCTGAAAGACTGCAAACTTTCACTGCTCTGTCACAA 758

Oy 364 GACTGGCTCTGGCAATAAGAAAACCTGTTACCTCTCCATGGCCCTTGGCTGGAAAAA 423  
Db 759 GACTGGCTCTGGCAATAAGAAAACCTGTTACCTCTCCATGGCCCTTGGCTGGAAAAA 818

Oy 424 AACCGGAGACTCTGGCAATTCTGGTGGCCAGTACTACAAATTATGGTGGCAAGTGTAGT 483  
Db 819 AACCGGGAGACTCTGGCAATTCTGGTGGCCAGTACTACAAATTATGGTGGCAAGTGTAGT 878

Oy 484 CTGACATTCATCTTACAGCAATTCCCATACCACTCCCATTCGGTGCAGATGCT 543  
Db 879 CTGACATTCATCTTACAGCAATTCCCATACCACTCCCATTCGGTGCAGATGCT 938

Oy 544 CGGAAGAAGCTGGCAACCATCTGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 603  
Db 939 CGGAAGAAGCTGGCAACCATCTGGCTATGGGAAGAATGGAACTCCTTGAATTTCATTC 998

Oy 604 TTAAGACCAGGGGGTTCTTACAGTATATTCAAGAACCTGCTACCTCTCAA 663  
Db 999 TTAAAGACCAGGGGGTTCTTACAGTATATTCAAGAACCTGCTACCTCTCAA 1058

Oy 664 GACGGAGCTGTGTGGTAAACTGGATTCTTAATGCTTACAGCATATGTCAAGAAAG 723  
Db 1059 GACGGAGCTGTGTGGTAAACTGGATTCTTAATGCTTACAGCATATGTCAAGAAAG 1118

Oy 724 ACAAATCATTGGAAATTAG 744  
Db 1119 ACAAATCATTGGAAATTAG 1139

RESULT 5  
US-09-751-708A-141  
; Sequence 141, Application US/09751708A  
; Publication No. US20030157113A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 751708  
; CURRENT APPLICATION NUMBER: US/09/751,708A  
; CURRENT FILING DATE: 2002-10-15  
; PRIORITY APPLICATION NUMBER: US 6/173,371  
; PRIOR FILING DATE: 1999-12-28

NUMBER OF SEQ ID NOS: 166		SOFTWARE: PatentIn version 3	
SEQ ID NO:	141	NAME/KEY:	CDS
LENGTH:	3763	LOCATION:	(48)..(1139)
TYPE:	DNA	OTHER INFORMATION:	US-09-751-708A-141
Query Match	89.8%	Best Local Similarity	98.8%
Matches	673;	Conservative	
Qy	64	AAGCCCTAAAGGAGGATC	
Ddb	459	AACTCTAGAGGAGTC	
Qy	124	CTGGACCAAGAAATCCAA	
Ddb	519	CTGGACCAAGAAATCCAA	
Qy	184	GCCCTGGAGAGAGCTCC	
Ddb	579	GCCCTGGAGAGAGCTCC	
Qy	244	GACACCTCTAACCTTGAAG	
Ddb	639	GACACCTCTAACCTTGAAG	
Qy	304	AATCAGAACCTTCAAGA	
Ddb	699	AATCAGAACCTTCAAGA	
Qy	364	GACTGGCTCTGCATCAA	
Ddb	759	GACTGGCTCTGCATCAA	
Qy	424	AACCGGGAGAGCTGGCA	
Ddb	819	AACCGGGAGAGCTGGCA	
Qy	484	CTGACATTCACTTTACA	
Ddb	879	CTGACATTCACTTTACA	
Qy	544	CGGAAGAGCTGGCCA	
Ddb	939	CGGAAGAGCTGGCCA	
Qy	604	TITAAGCCAGGGCT	
Ddb	999	TITAAGCCAGGGCT	
Qy	664	GACGGACCTGTGTTCCC	
Ddb	1059	GACGGACCTGTGTTCCC	
Qy	724	ACAAATCATTTGCAAT	
Ddb	1119	ACAAATCATTTGCAAT	

```

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHERO-  

; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  

; FILE REFERENCE: 0575_64077  

; CURRENT APPLICATION NUMBER: US/09/8998 , 554  

; CURRENT FILING DATE: 2001-07-02  

; NUMBER OF SEQ ID NOS: 40  

; SOFTWARE: PatentIn version 3.1  

SEQ ID NO 11  

; LENGTH: 1092  

; TYPE: DNA  

; ORGANISM: Murinae gen. sp.  

; FEATURE:  

; NAME/KEY: misc feature  

; OTHER INFORMATION: B-Isoform 1  

US -03-898-554-11

Query Match      92.7%;  Score 615.4;  DB 11;  Length 1092;  

Best Local Similarity 94.0%;  Pred. No. 1.4e-191;  Mismatches 0;  Indels 0;  Gaps 0;  

Matches 640;  Conservative 0;  Mismatches -41;  Indels 0;  Gaps 0;

Qy    64 AAGCTTAAAGGAGTCCAGAGGAACTCAAGGGAAAGATAAGACCATCACCGGAAG 123  

Db    412 AACCTTCAGAGACTCCAGAGACTCAAGGGAAAGATAAGACCATCACCGGAAG 471  

Qy    124 CTGGAGCAGAAATCCAAGAGCAGGAGGACCTCTGCAGATGATTAGAACCTCCAAGAA 183  

Db    472 CTGGAGCAGAAATCCAAGAGCAGGAGCTCTGCAGATGATTAGAACCTCCAAGAA 531  

Qy    184 GCCCTGAGAGCTGCAAACTCTTCAGGGAGGTTCCCAGAGAACTCAAGGAAAGATA 243  

Db    532 GCCCTGAGAGCTGCAAACTCTTCAGGGAGGTTCCCAGAGAACTCAAGGAAAGATA 591  

Qy    244 GACACCTCACTTGAACTGTAAGCTGAACAGAATTCACAAAGGAGGGAGCTCTACAGAAG 303  

Db    592 GACACCTCACTTGAACTGTAAGCTGAACAGAATTCACAAAGGAGGGAGCTCTACAGAAG 651  

Qy    304 AATCAGAAACCTCCAAGAAGGCCCTGCAAAGAGCTGCAAACCTTTCAAGGTCTTGTCCACAA 363  

Db    652 AATCAGAAACCTCCAAGAAGCTGCAAAGAGCTGCAAACCTTTCAAGGTCTTGTCCACAA 711  

Qy    364 GATGCTCTCTGCGATAAAGAAAATGTTACCTCTTCAGGGCCCTTGGCTGGAAAAAA 423  

Db    712 GATGCTCTCTGCGATAAAGAAAATGTTACCTCTTCAGGGCCCTTGGCTGGAAAAAA 771  

Qy    424 AACCGCGAGACCTGCCAATCTTGGTGGCAGTTACTACAATAATTATGTCAGATGAT 483  

Db    772 AACCGCGAGACCTGCCAATCTTGGTGGCAGTTACTACAATAATTATGTCAGATGAT 831  

Qy    484 CTGACATTCTACCTTACAAGGAACTTCACACCTCCCCATCTGGATTGGATTGCAATTC 543  

Db    832 CTGACATTCTACCTTACAAGGAACTTCACACCTCCCCATCTGGATTGGATTGCAATTC 891  

Qy    544 CGAAGAAGGCTGGCAACATGGCTATGGGAACACTCTTGTGAACTTCAATTCAATTTC 603  

Db    892 CGAAGAAGGCTGGCAACATGGCTATGGGAACACTCTTGTGAACTTCAATTTC 951  

Qy    604 TTAAAGACCAAGGGGGTTCTTACAGCTTATTCAGCTAACATGCAAACTGTGCAATCTTCAAA 663  

Db    952 TTAAAGACCAAGGGGGTTCTTACAGCTTATTCAGCTAACATGCAAACTGTGCAATCTTAAAGCCA 1011  

Qy    664 GACGGAGCTGCTGCTGCTGAAACTGCAATTCAATTGCAATTGCAAGAAGAAG 723  

Db    1012 GGGGCTTCTTACAGCTAAACTGCAATTGCAATTGCAATTGCAAGAAGAAG 1071  

Qy    724 ACAATCTATTGCAATTAG 744  

Db    1072 ACAATCTATTGCAATTAG 1092

```

GENERAL INFORMATION:

APPLICANT: TALL, ALAN R  
APPLICANT: WELCH, CARRIE L  
APPLICANT: LIANG, CHIEN-PING  
TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2 )  
FILE REFERENCE: 0575/64077  
CURRENT APPLICATION NUMBER: US/09/898 554  
CURRENT FILING DATE: 2001-07-02  
NUMBER OF SEQ ID NOS: 40  
SEQ ID NO 15  
SOFTWARE: Patentin version 3.1  
LENGTH: 606  
TYPE: DNA  
ORGANISM: Murinae gen. sp.

FEATURE:  
NAME/KEY: CDS  
LOCATION: (1) . . (606)  
OTHER INFORMATION:  
NAME/KEY: misc feature  
OTHER INFORMATION: Isoform 8  
US-09-898-554-15

Query Match 71.5%; Score 511.8; DB 11; Length 605;  
Best Local Similarity 98.7%; Pred. No. 3.e-164;  
Matches 536; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 202 AACTCTAGGAGGTCCAGAGAACTCAAGGAAGATACACCCCTACCTTGTAG 261  
Db 64 AAGCTTAAGAGGGTCCCCAGAGAACTCAAGGAAGATAGCACCTTGTAG 123

Qy 262 CTGAAACGAGAAATTCAAAGAGCAGGGAGCTCTACAGAAGAAATCAGAAACCTTCCAAGAA 321  
Db 124 CTGAAACGAGAAATTCAAAGAGCAGGGAGCTCTACAGAAGAAATCAGAAACCTTCCAAGAA 183

Qy 322 GCCCTGCAAAGAGCTGCAAACCTTCAAGTCCTGTCCACAGACTGGCTCTGCATAAA 381  
Db 184 GCCCTGCAAAGAGCTGCAAACCTTCAAGTCCTGTCCACAGACTGGCTCTGCATAAA 243

Qy 382 GAAAACCTTTACCTCTTCATGGCCCTTGTGGAAAAAAACCGCGAGCTGCCAA 441  
Db 244 GAAAACCTTTACCTCTTCATGGCCCTTGTGGAAAAAAACCGCGAGCTGCCAA 303

Qy 442 TCTTTGGTGGCCAGTACTACAAATAATGTTGCGAGATGATCTCATCTPCAA 501  
Db 304 TCCTTGCTGGCCAGTACTACAAATAATGTTGCGAGATGATCTCATCTPCAA 363

Qy 502 GCATTTCATACCCATCCATTCTGATGGTGTGATGGTGTGAAAGCTGCCAA 561  
Db 364 GCATTTCATACCCATCCATTCTGATGGTGTGAAAGCTGCCAA 423

Qy 562 CCATGGCTATGGAAATGGAATCTCCATTCTGAACTCCATTCTGAACTGGGTT 621  
Db 424 CCATGGCTATGGAAATGGAATCTCCATTCTGAACTCCATTCTGAACTGGGTT 483

Qy 622 TCCTTACAGCTTATTCATCAAGCAACTCTGCACTACCTTCAAGCGAGCTGTGCT 681  
Db 484 TCCTTACAGCTTATTCATCAAGCAACTCTGCACTACCTTCAAGCGAGCTGTGCT 543

Qy 682 GAAAACGCAATTCTAAATGCAATTGCAATTGCAATTGCAATTGCAATT 741  
Db 544 GAAAACGCAATTCTAAATGCAATTGCAATTGCAATTGCAATT 603

Qy 742 TAG 744  
Db 604 TAG 606

RESULT 8

US-09-17-800A-474  
Sequence 474, Application US/09917800A  
Patent No. US20019462A1  
GENERAL INFORMATION:

APPLICANT: Mendrick, Donna  
APPLICANT: Porter, Mark  
APPLICANT: Johnson, Kory  
APPLICANT: Castle, Arthur  
APPLICANT: Elashoff, Michael  
APPLICANT: Gene Logic, Inc.  
TITLE OF INVENTION: Molecular Toxicology Modeling  
FILE REFERENCE: 4921-5038-US  
CURRENT APPLICATION NUMBER: US/09/917,800A  
CURRENT FILING DATE: 2001-07-31  
PRIOR APPLICATION NUMBER: US 60/222,040  
PRIOR FILING DATE: 2000-07-31  
PRIOR APPLICATION NUMBER: US 60/222,880  
PRIOR FILING DATE: 2000-11-02  
PRIOR APPLICATION NUMBER: US 60/290,029  
PRIOR FILING DATE: 2001-05-11  
PRIOR APPLICATION NUMBER: US 60/290,645  
PRIOR FILING DATE: 2001-05-15  
PRIOR APPLICATION NUMBER: US 60/292,336  
PRIOR FILING DATE: 2001-05-22  
PRIOR APPLICATION NUMBER: US 60/295,798  
PRIOR FILING DATE: 2001-06-06  
PRIOR APPLICATION NUMBER: US 60/297,457  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/298,884  
PRIOR FILING DATE: 2001-06-19  
PRIOR APPLICATION NUMBER: US 60/303,459  
PRIOR FILING DATE: 2001-07-09  
NUMBER OF SEQ ID NOS: 1740  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 474  
LENGTH: 3750  
TYPE: DNA  
ORGANISM: Rattus norvegicus  
FEATURE:  
OTHER INFORMATION: Genbank Accession No. US20019462A1 AB005900  
US-09-917-800A-474

Query Match 70.8%; Score 526.8; DB 10; Length 3750;  
Best Local Similarity 85.8%; Pred. No. 4.6e-162;  
Matches 585; Conservative 0; Mismatches 97; Indels 0; Gaps 0;

Qy 63 GAAGCTTAAAGAGGAGTCCAGAGAACTCAAGGGAAAGATAGAACCATCAGCGGAA 122  
Db 502 GAAGCTTCAAGAGGAGTCCAGTGGAACTGAGAACATGAGCTTCACTGAA 561

Qy 123 GCTGGAGGAGAAATTCAAAGGCAAGGAGGCTCTGTGAGATGATTGAGAACCTCCAAGA 182  
Db 562 GCTGAATGGGATATCCAAAGGCAAGGAGGCTCTGTGAGAACATGAGCTTCACTGAA 621

Qy 183 AGCCCTGAGAGCTGCAACCTCTGAGGAGCTCCAGAGAACATCAGGAAGAGAT 242  
Db 622 AGCCCTGCAAAAGCTGAGAACATTCAGGGAGTCAAGAACAGTGAAGAACAGAT 681

Qy 243 AGAACCTCAGCTTCAAGTGAACGAGAACATCAAGAACGAGGAGCTCTGTGAGCA 302  
Db 682 AGAACCCCTGAGCTGAGAACATCAAGAACGAGGAGCTCTGTGAGCA 741

Qy 303 GATCTGAAACCTCCAGAAAGCTGCAATCTTCAAGGCTCTTGTGAGATCTGCCACA 362  
Db 742 GATCTGAAATCTTCAAGAACCTCTGAGCTGAGAACATCTGAGCTTGTGAGCA 801

Qy 363 AGACTGCTCTGGCTTCAAGAACATCTGAGCTTGTGAGATCTGCCACA 422  
Db 802 AGACTGCTCTGGCTTCAAGAACATCTGAGCTTGTGAGATCTGCCACA 861

Qy 423 AACCCGGAGACCTGCAATCTTGGTGGCCAGTTACTAAATGATGTTGAGATGA 482  
Db 862 AGATCGGGAGAATGCTATCTTGTGAGCTTGTGAGATCTGCCACA 921

Qy 483 TCTGACATTCTACATTCTAACAGGAATTCCATACACCTCCCATTCTGGATGGATTGCA 542  
Db 922 TCTGACATTCTACATTCTAACAGGAATTCCATACACCTCCCATTCTGGATGGATTGCA 981

QY	543 TCGGAAAGCCTGGCAACCATGGCTATGGAAATGGAACTCTTGTGAAATTCAATT 602	Db	682 AGACACCCTAGCTGGAACCTAAAGGAAATCCAAGGAGGACTCTCTGCAGCA 741
QY	982 TCGAAAATCCAACCCATGGCTATGGAAACGGTCAATTCAATT 1041	Qy	303 GAATCAGAACCTCCAGAAGGCCCTGCAAGAGCTGCAAACCTTTAGGCTCTTCACCA 362
QY	603 CTTTANGACAGGGCCGTCTTACAGCTATATICATCAGGAACTGGCATACTCTA 662	Db	742 GAATCAGAACCTCCAGAAGGCCCTGCAAGAGCTGCAAACCTCTGGCTCTTCACCA 801
QY	1042 CTTTAGGACCAAGGGCGTCTTACAGGAACTGGCATACTCTAATTCAATTCA 1101	Qy	363 AGACTGGCTCTGGGATAAGAAAACCTGTTACCTCTCATGGCCCTTGCTGGAAAA 422
QY	663 AGACGGAGGTGTGTCGTAAAATCGTAACTCTAATTGATTCAATGTCAGAAGA 722	Db	802 AGACTGGCTCTGGGATAAGGCTTAACTGTTACCTCTCATGGCCCTTAAGTGGAAA 861
QY	1102 AGGAGGAGTGTGTTGCTGCAAACTGATTAACTGATTCAATGTCAGAAGA 1161	Qy	423 AAACGGCAGACCTCCAATCTGGTGGCCAGTACTACAATAATGTCAGATGAA 482
QY	723 GACAATCATTGCAAAATTAG 744	Db	862 AAGTGGGAAATGCCCATTCTAGATGCCAGTACTACAATAATGACATGAA 921
QY	1162 GGCAAAATTATGCTAACTRAG 1183	Qy	483 TCTGACATCATCTACAGCAATTCCCATACCACTGCCATTCTGGATTGGATTCAATT 602
QY	US-10-220-511-14	Db	982 TCGAAAATCCAACCCATGGCTATGGCAACTCTGGCTCTTCACCAATT 1041
;	Sequence 14 , Application US/10220511	Qy	543 TCGGAGAGCCCTGGCAACCATGGCTATGGAAACTCTTGTGAAATTCAATT 602
;	Publication No. US20030143226A1	Db	922 TCTGACATCTGGCTTACAGCAACTCCATTGGATTGGATTACA 981
;	GENERAL INFORMATION:	Qy	603 CTTTAAGACCCGGGGCGTTCTTACGCTTATTCATCAGGAACTCTGGCTCTTCACCA 662
;	APPLICANT: Kobayashi, Yuko	Db	1042 CTTPAGGACGGGGCTCTTACAGATGTCATCAGGAACTCTGGCTCTTCACCA 1101
;	APPLICANT: Tsuji, Hiroyuki	Qy	663 AGACGGAGGTGTGTCGTAACTGCAATTCTAATTGCAATGTCAGAAGAA 722
;	APPLICANT: Kamada, Masafumi	Db	1102 AGGAGGAGTGTGTTGCTGAAACCTGATTAACTGCAATGTCAGAAGAA 1161
;	APPLICANT: Savamura, Tatsuya	Qy	723 GACAATCATTGCAAAATTAG 744
;	TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF	Db	1162 GGCAAAATTATGCTAACTCAG 1183
;	FILE REFERENCE: SHIM-017	Qy	RESULT 10
;	CURRENT APPLICATION NUMBER: US/10/220,511	Db	US-09-89-554-28
;	CURRENT FILING DATE: 2002-12-06	;	Sequence 28 , Application US/09898554
;	PRIOR APPLICATION NUMBER: JP P-000-57745	;	Publication No. US20030066673A1
;	PRIOR FILING DATE: 2000-03-02	;	GENERAL INFORMATION:
;	PRIOR APPLICATION NUMBER: JP P2000-333116	;	APPLICANT: TALL, ALAN R.
;	PRIOR FILING DATE: 2000-10-31	;	APPLICANT: WELCH, CARRIE L.
;	PRIOR APPLICATION NUMBER: PCT/JP01/01636	;	APPLICANT: LIANG, CHIEN-PING
;	PRIOR FILING DATE: 2001-03-02	;	APPLICANT: MURINAE GEN. SP.
;	NAME/KEY: 5' UTR	;	FEATURE: Murinae gen. sp.
;	SOFTWARE: PatentIn Ver. 2.1	;	FEATURE: Murinae gen. sp.
;	SEQ ID NO 14	;	FEATURE: Murinae gen. sp.
;	LENGTH: 3750	;	FEATURE: Murinae gen. sp.
;	TYPE: DNA	;	FEATURE: Murinae gen. sp.
;	ORGANISM: Rattus norvegicus	;	FEATURE: Murinae gen. sp.
;	FEATURE:	;	NAME/KEY: misc feature
;	NAME/KEY: 3' UTR	;	OTHER INFORMATION: Isoform 6
;	LOCATION: (1) .. (91)	;	US-09-89-554-28
;	FEATURE:	;	Query Match 70.8%; Score 526.4%; DB 11; Length 721;
;	NAME/KEY: CDS	;	Best Local Similarity 85.5%; Pred. No. 2.3e-162;
;	LOCATION: (92) .. (1186)	;	Mismatches 0; Mis matches 71; Indels 37; Gaps 3
;	FEATURE:	;	Matches 636; Conservative 1
;	NAME/KEY: 3' UTR	;	Query Match 70.8%; Score 526.4%; DB 11; Length 721;
;	LOCATION: (1187) .. (3750)	;	Best Local Similarity 85.5%; Pred. No. 2.3e-162;
;	US-10-220-511-14	;	Mismatches 0; Mis matches 71; Indels 37; Gaps 3
;	Query Match 70.8%; Score 526.4%; DB 13; Length 3750;	Qy	1 ATGACTTTCTGATGAAAGTGAACCTGGCTGCAATGAGGCTGATCATGGCC 60
;	Best Local Similarity 85.8%; Pred. No. 4.6e-162;	Db	1 ATGACTTTCTGATGAAAGTGAACCTGGCTGCAATGAGGCTGATCATGGCC 60
;	Matches 505; Conservative 0; Mismatches 97; Indels 0; Gaps 0;	Qy	61 AAGAGCCCTAAAGGAGGCTCCAGAGAACTGAGGAAACTGAGGAACTCCCGG 120
;	Qy	502 GAAAGCTTCAAGGAGTCAAGTGGAACTTCAAGTGGAACTTCACTGGAA 561	61 AAGAGCCCTAAAGGAGGCTCCAGAGAACTGAGGAACTGAGGCTGATCATGGCC 60
;	123 GCTGGAGCAGAGAAATCCTGGAACTGGAGGAGGAGCTGGAACTTCACTGGAA 182	Db	621 AAGAGCCCTAAAGGAGGCTCCAGAGAACTGAGGAACTGAGGCTGATCATGGCC 60
;	562 GCTGAATGGGATATCCAAGAGCACTCAAGGAACTGGAACTTCACTGGAA 621	Qy	622 AAGAGCCCTAAAGGAGGCTCCAGAGAACTGAGGAACTGAGGCTGATCATGGCC 95
;	63 GAAAGCTTAAGAGGAGTCCAGAGAACTCTTCAGAGAGCTCCAGAGAACTGGAAAGAT 242	Db	623 AAGAGCCCTAAAGGAGGCTCCAGAGAACTGAGGAACTGAGGCTGATCATGGCC 180
;	503 GAAAGCTTCAAGGAGTCAAGTGGAACTTCAAGTGGAACTTCACTGGAA 681	Qy	624 AAGAGCCCTAAAGGAGGCTCCAGAGAACTGAGGAACTGAGGCTGATCATGGCC 180

96 ATGGGGTCCCTGCTGTATGACTCTGGTCATCCTCTGGTGTGTCAGTGACCC- 153  
 Db Qy AGGCCCTGCAAGAGCTGCAAACCTCTTCAGGGAGTCCCAGAGAACTCAAGGGAAAG 240  
 Qy Db 154 -----CITATTGTAAGTGACAATAGGAGTCCAGAGAACTCAAGGGAAAG 204  
 Db Qy 241 ATAGACCCCTCACCTGAAGTGAAACAGAGAACTCCAAAAGAGCAGGGAGGTTCTACAG 300  
 Db Qy 205 ATAGACCCCTCACCTGAAGTGAAACAGAGAACTCCAAAAGAGCAGGGAGGTTCTACAG 264  
 Qy Db 301 AAGATACTGAAACCTCCAGAAGAGCCTGAAAGAGCTGAAACTTTAGGTCCTTGTCCA 360  
 Db Qy 265 AAGATACTGAAACCTCCAGAAGAGCTGAAAGAGCTGAAACTTTAGGTCCTTGTCCA 324  
 Qy Db 361 CAAGACTCGCTCTYGGATAAGAAAATCTGTTACCTCTTCCATGGCCCTTGGTGGAA 420  
 Db Qy 325 CAAGACTCGCTCTYGGATAAGAAAATCTGTTACCTCTTCCATGGCCCTTGGTGGAA 384  
 Qy Db 421 AAAAACCGGAGACCTGCCAATCTTGGTGGCCAGTACTACAATTAATGGTGCAGAT 480  
 Db Qy 385 AAAAACCGGAGACCTGCCAATCTTGGTGGCCAGTACTACAATTAATGGTGCAGAT 444  
 Qy Db 481 GATCTGACATTCATCTTCAAGGAAATTCCCCATACCACTTCCCATGTTGGATTGGATTG 540  
 Db Qy 445 GATCTGACATTCATCTTCAAGGAAATTCCCCATACCACTTCCCGTGTCTGGATTG 504  
 Qy Db 541 CATCGGAAAGGCTGGCAACCATGGTATGGAGATGGAACTCTTGTGATTCAA 600  
 Db Qy 605 CATCGGAAAGGCTGGCAACCATGGTATGGAGATGGAACTCTTGTGATTCAA 564  
 Qy Db 601 TCTCTTAAGACCAGGAATTCTCCATACGCTATTCATCAAGCACTGTCATACCTT 660  
 Db Qy 565 TCTCTTAAGACCAGGGCTTCTTACGCTATTCATCAAGCACTGTCATACCTT 624  
 Qy Db 661 CAAGACGGAGCTGCTGCTGGTAAACACTGCAATTCTAAATTGCATTCAACATATGTCAAG 720  
 Db Qy 625 CAAGACGGAA-CCTGTCGTGCAAAACTGCAATTCTCAACCTTCCCGTGTCTGGATTG 683  
 Qy Db 721 AAGACAATTCTGGCAATTGTGAAATTAG 744  
 Db Qy 684 AAGACAATTCTGGCAATTGTGAAATTAG 707

RESULT 11 US-09-898-554-17  
 ; Sequence 17, Application US/09898554  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROS  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898-554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 21  
 ; LENGTH: 773  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE: CDS  
 ; LOCATION: (1)...(174)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc\_feature  
 ; OTHER INFORMATION: Isoform 2  
 US-09-898-554-21

Query Match 50.1%; Score 374.8; DB 11; Length 773;  
 Best Local Similarity 97.8%; Pred. No. 2e-112; Matches 401; Conservative 0; Mismatches 7; Indels 2; Gaps 2;

Qy 64 AAGCCCTAAAGGGAGTCCAGAGGAACTCAAGGGAAAGTAGACACCATGACCCGAAG 123  
 Db 359 AACCTCTCAGGGAGTCCAGAGGAACTCAAGGGAAAGTAGACACCATGACCCGAAG 418  
 Qy 124 CTGGAGGAGAAATCCAAAGGGAGGAGGACTCTCGCAATGATICAAGAACCTCCAGAA 183  
 Db 419 CTGGAGGAGAAATCCAAAGGGAGGAGGACTCTCGCAATGATICAAGAACCTCCAGAA 478  
 Qy 184 GCCCTGAGGAGGAGCTGCAAACTCTAGAGGAGTCCAGAGGAACTCAGGGAAAGATA 243  
 Db 479 GCCCTGAGGAGGAGCTGCAAACTCTAGAGGAGTCCAGAGGAACTCAGGGAAAGATA 538

Query Match 52.9%; Score 393.8; DB 11; Length 468;  
 Best Local Similarity 99.5%; Pred. No. 8.3e-119; Matches 395; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

US-09-898-554-17

Qy 244 GACACCCCTCACCTGAAAGCTAACCGGAAATCCAAAGGAGGAGGCTTCTACAGAG 303 Db 615 TCGGAAG 621

Db 539 GACACCCCTCACCTGAAAGCTAACCGGAAATCCAAAGGAGGAGGCTTCTACAGAG 598

RESULT 14  
US-09-898-554-27  
; Sequence 27, Application US/09898554  
; Publication No. US2003006867A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHSQ2 )  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898, 554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO: 27  
; LENGTH: 712  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 5  
; US-09-898-554-27

Query Match 44.4%; Score 330.2; DB 11; Length 712;  
Best Local Similarity 77.2%; Pred. No. 9.4e-98;  
Matches 475; Conservative 0; Mismatches 113; Indels 27; Gaps 5;

Qy 1 ATGACTTTTGAGCAACAGATGAAGGCCCTGGCAGATGACGAGCCCTGATCAGAACCTCATGCGC 60  
Db 1 ATGACTTTTGATCAACATGAGCAGCTGATGAGCTGAGTCATGAAAGTCATGCGC 60

Qy 61 AAGAGCTTAAGGGTCCCAGAGAACTCAAGG-----AAAG 102  
Db 61 AACAGGCTTAAGGTGCAATTGCTTCTGCCATGGTGGTTCCCTGCTGCTGATGCTGAGTCATGCGC 120

Qy 103 ATAGACAACATCACCGGAAGCTGAGCAGAAATCCAAGAGGGAGGT-TCTGCA 161  
Db 121 CCGGTCATCTCTGCTGCTGTTGTCGTGACCCATTGTCAGTGACACATGATGTC 180

Qy 162 GATGATTGAGAACCTCAAAGAACGCCCTGCAGAGACTGCAAACTCTCAGAGGAGTCCA 221  
Db 181 TATCTGAAAGGCAGATGTTGCCCCAGAGGCAAAACATCTCAGAACTCAA 240

Query Match 45.5%; Score 338.2; DB 11; Length 621;  
Best Local Similarity 95.1%; Pred. No. 2e-100;  
Matches 349; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

Qy 183 AGCCCTGAGAGGCTGAAACTCTCAGGGAGTCCAGAGAAACTCAGGGAAAGAT 242  
Db 255 AGCCCCAGCAAGGGAGAAAACACCTCACGGAAATCAAAAGGAAGAAAGAT 314

Qy 243 AGACACCTCACCTGAAAGCTGAAAGCTAACCTTCAAGGAGGCTTCTACAGA 302  
Db 315 AGACACCTCACCCGAAGCTGAAAGCTGAAAGCTAACCTCACGGAAATCAAGA 374

Qy 303 GAATCGAACCTCCAAAGAACGGCTGCAAAAGGCTCAAAACTTTCAGGTCCTTGTCCACA 362  
Db 375 GAATCGAACCTCCAAAGAACGGCTGCAAAAGCTAACCTTCAAGGCTTGTCCACA 434

Qy 363 AGACCTGGCTCTGGCATAAAGAAAACCTGTTACCTCTCATGGGCCCTTGGCTGGAAA 422  
Db 435 AGACCTGGCTCTGGCATAAAGAAAACCTGTTACCTCTCATGGGCCCTTGGCTGGAAA 494

Qy 423 AAACCCGAGACCTGCAACTTTCGGTGGCCAGTTACACTAACATTAACTGGTGAAGATA 482  
Db 495 AAACCCGAGACCTGCAACTTTCGGTGGCCCTAACATGGTGAAGATA 554

Qy 483 TCTGAGATTCATCTAACAGGAATTTCCTAACACCTCCCATGGATTGGATGCA 542  
Db 555 TCTGAGATTCATCTAACAGGAATTTCCTAACACCTCCCATGGATTGGATGCA 614

Qy 543 TCGGAAG 549

Qy 582 AACCTCTTGTGAATT 596

Db 593 ACTCTTGAATT 607 Qy 600 ATTCTTAAGCAGGGGCTTTACAGTATATTCAAGAACACTGTGCATACT 659  
 Db 739 CTATTAGTCAGGCCATCCCTGATCTGAT 798

RESULT 15 Qy 660 TCAAGCGGACCTGTTTCGGAAACTGCATCTAATGGCATTCAGCATATGTCAGAA 719  
 US-10-220-511-1 ; Sequence 1, Application US/10220511 Db 799 ACAACAGGAGCTTATGGAAAACGTGATTTAGTCGCTTCAGTATPATGTCAGAA 858  
 ; GENERAL INFORMATION ;  
 ; APPLICANT: Kobayashi, Yuko Qy 720 GAAGACAATC 730  
 ; APPLICANT: Tsuji, Hiroyuki Db 859 GAAGGCAACC 869  
 ; APPLICANT: Kamada, Masatumi  
 ; APPLICANT: Sawamura, Tatsuya  
 ; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
 ; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF  
 ; FILE REFERENCE: SHIM-017 Search completed: December 19, 2003, 00:36:06  
 ; CURRENT APPLICATION NUMBER: US/10/220,511 Job time : 305 secs  
 ; CURRENT FILING DATE: 2002-12-06  
 ; PRIORITY NUMBER: JP P2000-57745  
 ; PRIORITY NUMBER: JP P2000-333116  
 ; PRIORITY NUMBER: JP P2000-03-02  
 ; PRIORITY NUMBER: JP P2000-333116  
 ; PRIORITY NUMBER: JP P2000-10-31  
 ; PRIORITY NUMBER: PCT/JP01/01636  
 ; PRIORITY NUMBER: PCT/JP01/01636  
 ; NUMBER OF SEQ ID NOS: 15  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO: 1  
 ; LENGTH: 2468  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: 5' UTR  
 ; LOCATION: (1)..(61)  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (62)..(883)  
 ; FEATURE:  
 ; NAME/KEY: 3' UTR  
 ; LOCATION: (884)..(2468)  
 US-10-220-511-1

Query Match Score 298.2; DB 13; Length 2468;  
 Best Local Similarity 72.6%; Pred. No. 6.9e-87; Indels 3; Gaps 1;  
 Matches 400; Conservative 0; Mismatches 148; Indels 3; Gaps 1;

Qy 183 AGCCCTGCCAGAGGTGCAACTCTTACAGGACTCCAGAGAACCTCAAGGAACAT 242  
 Db 319 AGCCGGCACAGGAGAAGCTTACAGGACTCAGAAACCTCAAGGAATGAT 378

Qy 243 AGACACCTCACCTTGAGCTGAACGAGAAATCCAAGGGAGGAGCTCTACAGAA 302  
 Db 379 AGAACCCCTGCTGGAGCTGAAATGAGAACGAAATGGAACTTACACCCA 438

Qy 303 GAATCGAACCTCAAAGAGCCCTGAAAGAGCTGAAACATTTCAGTCCTGTCCACA 362  
 Db 439 GAATCTGAATCTCCAGAAACACTGAAGAGTAGCAAAATGTCAGCCTGTGCGCA 498

Qy 363 AGACTGGCTCTGGATAAGAAACTGTTACCTT -- CCATGGCCCTTGGCTGGGA 419  
 Db 499 AGACTGAATGGATGGAAACCTGTTACCTTTCCTCGGCATTTACTGGGA 558

Qy 420 AAAAACCGGCAGACCTGCCAATCTTGGGGCAGTTACTACAAATAATGGTGCAGA 479  
 Db 559 AAAGGCAAGAGAAGTGTGTTGATGCCAAGTAATGCAAGC 618

Qy 480 TGATCTGACATTCTTACAGGAAATTCCATACACCTCCCCATCTGGATTGGATT 539  
 Db 619 TGATCTGGACTCATCAGCAAGAAATTCTTACAGTTTCATCTGGATGGGCT 678

Qy 540 GCATGGAGAAGGCTGGCAACCATGGTATGGAGAATGGACTCTTGAATTICA 599  
 Db 679 GTCGGAGAACCCAGTACCCATGGCTTCCTGAGGGCT 738

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## OM protein - protein search, using sw model

Run on: December 18, 2003, 14:48:42 ; Search time 21 Seconds  
(without alignment(s))  
497.656 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319

Sequence: 1 MTFFDKMKPANDEPDQKSGC.....ENCLIAFSICQQKTNHLQI 247

Scoring table: BLOSUM62

Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:  
1: /cgn2\_6/ptodata/1/iaa/SA\_COMBO.pep:  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMBO.pep:  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMBO.pep:  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMBO.pep:  
5: /cgn2\_6/ptodata/1/iaa/PCNTUS\_COMBO.pep:  
6: /cgn2\_6/ptodata/1/iaa/backfile1.pep:  
Pred.: No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	637	48.3	273	2 US-09-055-095-3	Sequence 3, Appli
2	637	48.3	273	2 US-08-809-494A-6	Sequence 6, Appli
3	637	48.3	273	3 US-09-352-302-6	Sequence 7, Appli
4	596	45.2	270	2 US-09-055-095-4	Sequence 4, Appli
5	596	45.2	270	2 US-08-809-494A-2	Sequence 2, Appli
6	596	45.2	270	3 US-09-352-302-2	Sequence 8, Appli
7	594.5	45.1	273	2 US-08-809-494A-4	Sequence 4, Appli
8	594.5	45.1	273	3 US-09-352-302-4	Sequence 1, Appli
9	251	19.0	201	2 US-08-688-342-1	Sequence 1, Appli
10	251	19.0	201	2 US-09-113-788-1	Sequence 1, Appli
11	231.5	17.6	180	3 US-08-772-440-31	Sequence 31, Appli
12	231	17.5	176	3 US-08-772-440-8	Sequence 2, Appli
13	231	17.5	174	3 US-08-772-440-2	Sequence 9, Appli
14	223	16.9	404	4 US-09-517-605-2	Sequence 2, Appli
15	221	16.8	280	4 US-09-996-243-319	Sequence 1, Appli
16	221	16.8	284	2 US-09-055-095-1	Sequence 1, Appli
17	214	16.2	199	3 US-08-772-440-13	Sequence 13, Appli
18	207	15.7	206	3 US-08-772-440-10	Sequence 10, Appli
19	189.5	14.4	122	3 US-08-722-122A-9	Sequence 9, Appli
20	189.5	14.4	122	5 PCT-US95-04258-9	Sequence 9, Appli
21	186	14.1	248	4 US-09-482-273-126	Sequence 126, Appli
22	186	14.1	272	1 US-08-630-095-1	Sequence 1, Appli
23	186	14.1	272	3 US-09-113-789-1	Sequence 1, Appli
24	186	14.1	287	1 US-08-361-103B-4	Sequence 4, Appli
25	186	14.1	300	1 US-08-335-103B-6	Sequence 6, Appli
26	186	14.1	327	1 US-08-335-103B-2	Sequence 2, Appli
27	179	13.6	229	4 US-09-247-155-97	Sequence 97, Appli

## ALIGNMENTS

RESULT 1  
US-09-055-095-3  
; Sequence 3, Application US/09055095  
; Patent No. 5945308  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Patterson, Chandra  
; APPLICANT: Corley, Nei C.  
; APPLICANT: Sather, Susan  
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Dr.  
; CITY: Palo Alto  
; STATE: CA  
; ZIP: 94304  
; COUNTRY: USA  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/055, 095  
; FILING DATE: Filed Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36, 749  
; REFERENCE/DOCKET NUMBER: PF-0500 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-955-0555  
; TELEFAX: 650-945-4166  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 190284  
; US-09-055-095-3  
; Query Match Score 637; DB 2;  
; Best Local Similarity Pred. No. 2.4e-49;  
; Length 273;

Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

Qy 1 MTFDD-KMKPANDEPQQSKCERKPKPEBSQRELK-----GRIDTI-- 38  
 Db 1 MTFDDLKTQTVKDQDDEBSNGKKAK-----GLOFLYSPPWWCLAAATLGVLGLGVVTLMV 55

Qy 39 -----TRKLDEKSKEOBELLMIONIQ---EAQRAANSSEESORELKGRIDTLLKLINE 90  
 Db 56 LGMQLSQVSQSLTQEANLTHQKKELEGQISARQEASENELKEMIETLARKLINE 115

Qy 91 KSKEQEBELLQKNONLQAQNFSQPCPODWLWKENCYLQ-HGPFGWEKNRQTCQLS 149  
 Db 116 KSKEQMEHLHQNLQETLKVANCASAPCPQDWLWKGNCYLSGSNSPNWEQSQEKCLSL 175

Qy 150 GGQLQINGADDLTFLQIAISHTTSPEWIGLHRKKGOPWLNGTPLNQFQFKTRGWSL 209  
 Db 176 DAKLJKINSTADLFQIAISSTSSPPMGLSRRNPSYPMWEDGSPMLPHFRVRGAVS 235

Qy 210 QLYSSNNCATLQDGAVFAENCLIAFSICOKCTN 243  
 Db 236 QTYPSGTCAYIQRGAVYAENCLIAFSICOKKAN 269

## RESULT 2

US-08-809-494A-6

; Sequence 6, Application US/0809494A.  
 ; Patent No. 5962260  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; APPLICANT: Masaki, Tomoo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOSS-MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/809,494A  
 ; FILING DATE: 24-MAR-1997  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 7-214206  
 ; FILING DATE: 31-JUL-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Goldberg, Jules E  
 ; REGISTRATION NUMBER: 24408  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212 986-4090  
 ; TELEFAX: 212 818-9479  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 273 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein

US-08-809-494A-6

## RESULT 3

US-09-352-302-6

; Sequence 6, Application US/09352302  
 ; Patent No. 6197937  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; APPLICANT: Masaki, Tomoo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOSS-MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/352,302  
 ; FILING DATE: 12-JUL-1999  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIOR APPLICATION NUMBER: JP 7-214206  
 ; FILING DATE: 31-JUL-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Goldberg, Jules E  
 ; REGISTRATION NUMBER: 24408  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212 986-4090  
 ; TELEFAX: 212 818-9479  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 273 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein

US-09-352-302-6

Query Match 48.3%; Score 637; DB 2; Length 273;  
 Best Local Similarity 48.9%; Pred. No. 2.4e-49;  
 Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

Qy 1 MTFDD-KMKPANDEPDOKSCGKKPKEESORELK-----GKIDTI-- 38  
 Db 1 MTFDDLKIQTQVDFDPSNGCKAK----GLOFLYSPWNCIAAATIGVLCLIGLVNTMV 55  
 Qy 39 ----TRKLDEKSKEQEBLLQMLQNLQ---EA-LORANSSESESQREIKGKDIDTLKLNE 90  
 Db 56 LGMQLSQVSQDSLITOEQANLTHQKKKLSQISARQAEASQSENELKEMIETLARKLNE 115  
 Qy 91 KSKEQEELLQKNONLQEA-LORANFSGCPQDWLWHKENCYLF-HGPFGWEKRNQTCQLS 149  
 Db 116 KSKBQMEUHQNQNLQETLKVANCSSACPDQDWLWHGENCYLFSSGGFPNWEKSQECKLSL 175  
 Qy 150 CGQOLQINGADDLTFLIQLAISHTTSPPMWIGLHRKKPGQPWLWENGTPLNFQFFKTRGVSL 209  
 Db 176 DAKLKLKNSTADDPQQAISSYSPFWMGLSRNPSPWMLBDGSQLMMPHFRVGAVS 235  
 Qy 210 QLYSSNNCAYLDQGAVFAENCILIAFSICQKCTN 243  
 Db 236 QTPSGTCAYIQRGAVVAENCLAAFSICQKCTAN 269

## RESULT 4

US-09-095-095-4

Sequence 4, Application US/09055095

Patent No. 5945308

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Patterson, Chandra

APPLICANT: Corley, Neil C.

APPLICANT: Sather, Susan

TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Dr.

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/055,095

FILING DATE: Filed Herewith

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-555-0555

TELEFAX: 650-545-4166

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 270 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GenBank

CLONE: 1902982

US-09-095-095-4

Query Match 45.2%; Score 596; DB 2; Length 270;  
 Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
 Matches 125; Conservative 39; Mismatches 70; Indels 6;

Qy 1 MTFDD-KMKPANDEPDOKSCGKKPKEESORELK-----GKIDTI-- 38

Query Match 45.2%; Score 596; DB 2; Length 270;  
 Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
 Matches 125; Conservative 39; Mismatches 70; Indels 6; Gaps 6;

Qy 1 MTFDD-KMKPANDEPDOKSCGKKPKEESORELK-----GKIDTI-- 38

## RESULT 5

US-09-095-095-2

Sequence 2, Application US/08809494A

Patent No. 5962260

GENERAL INFORMATION:

APPLICANT: Savamura, Tatsuya

TITLE OF INVENTION: Modified Low-Density Lipoprotein

TITLE OF INVENTION: Receptor

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

STREET: 261 Madison Avenue

CITY: New York

STATE: NY

COUNTRY: USA

ZIP: 10016-2391

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/809,494A

FILING DATE: 24-MAR-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 6-321705

FILING DATE: 30-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 7-214206

FILING DATE: 31-JUL-1995

ATTORNEY/AGENT INFORMATION:

NAME: Goldberg, Jules E

REGISTRATION NUMBER: 24408

REFERENCE/DOCKET NUMBER: JG-YY-4363PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212 986-4030

TELEFAX: 212 818-9479

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 270 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-095-095-2

Query Match 45.2%; Score 596; DB 2; Length 270;

Best Local Similarity 44.6%; Pred. No. 1.1e-45;

Matches 125; Conservative 39; Mismatches 70; Indels 6; Gaps 6;

Qy 1 MTFDD-KMKPANDEPDOKSCGKKPKEESORELK-----GKIDTI-- 38

Query Match 45.2%; Score 596; DB 2; Length 270;

Best Local Similarity 44.6%; Pred. No. 1.1e-45;

Matches 125; Conservative 39; Mismatches 70; Indels 6; Gaps 6;

Qy 1 MTFDD-KMKPANDEPDOKSCGKKPKEESORELK-----GKIDTI-- 38

RESULT 6  
US-09-352-302-2  
Sequence 2, Application US/09352302  
i Patent No. 6197937  
GENERAL INFORMATION:  
i APPLICANT: Sawamura, Tatsuya  
i TITLE OF INVENTION: Modified Low-Density Lipoprotein  
i TITLE OF INVENTION: Receptor  
i NUMBER OF SEQUENCES: 8  
i CORRESPONDENCE ADDRESS:  
i ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
i STREET: 261 Madison Avenue  
i CITY: New York  
i STATE: NY  
i COUNTRY: USA  
i ZIP: 10016-2391  
COMPUTER READABLE FORM:  
i MEDIUM TYPE: Floppy disk  
i COMPUTER: IBM PC compatible  
i OPERATING SYSTEM: PC-DOSS-MS-DOS  
i SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
i APPLICATION NUMBER: US/09/352,302  
i FILING DATE: 12-JUL-1999  
i CLASSIFICATION:  
i PRIOR APPLICATION DATA:  
i APPLICATION NUMBER: JP 6-321705  
i FILING DATE: 30-NOV-1994  
i PRIOR APPLICATION DATA:  
i APPLICATION NUMBER: JP 7-214206  
i FILING DATE: 31-JUL-1995  
i ATTORNEY/AGENT INFORMATION:  
i NAME: Goldberg, Jules E  
i REGISTRATION NUMBER: 24408  
i REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
TELECOMMUNICATION INFORMATION:  
i TELEPHONE: 212 986-4090  
i TELEFAX: 212 918-9479  
i INFORMATION FOR SEQ ID NO: 2:  
i SEQUENCE CHARACTERISTICS:  
i LENGTH: 270 amino acids  
i TYPE: amino acid  
i TOPOLOGY: linear  
i MOLECULE TYPE: protein  
US-09-352-302-2

RESULT 7  
US-08-809-494A-4  
Sequence 4, Application US/08809494A  
i Patent No. 5962260  
GENERAL INFORMATION:  
i APPLICANT: Sawamura, Tatsuya  
i APPLICANT: Masaki, Tomoo  
i TITLE OF INVENTION: Modified Low-Density Lipoprotein  
i TITLE OF INVENTION: Receptor  
i NUMBER OF SEQUENCES: 8  
i CORRESPONDENCE ADDRESS:  
i ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
i STREET: 261 Madison Avenue  
i CITY: New York  
i STATE: NY  
i COUNTRY: USA  
i ZIP: 10016-2391  
COMPUTER READABLE FORM:  
i MEDIUM TYPE: Floppy disk  
i COMPUTER: IBM PC compatible  
i OPERATING SYSTEM: PC-DOSS-MS-DOS  
i SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
i APPLICATION NUMBER: US/08/809,494A  
i FILING DATE: 24-MAR-1997  
i CLASSIFICATION: 435  
i PRIORITY APPLICATION DATA:  
i APPLICATION NUMBER: JP 6-321705  
i FILING DATE: 30-NOV-1994  
i PRIOR APPLICATION DATA:  
i APPLICATION NUMBER: JP 7-214206  
i FILING DATE: 31-JUL-1995  
i ATTORNEY/AGENT INFORMATION:  
i NAME: Goldberg, Jules E  
i REGISTRATION NUMBER: 24408  
i REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
TELECOMMUNICATION INFORMATION:  
i TELEPHONE: 212 818-9479  
i TELEFAX: 212 918-9479  
i INFORMATION FOR SEQ ID NO: 4:  
i SEQUENCE CHARACTERISTICS:  
i LENGTH: 273 amino acids  
i TYPE: amino acid  
i TOPOLOGY: linear  
i MOLECULE TYPE: protein  
US-08-809-494A-4

Query Match 45.1%; Score 594.5; DB 2; Length 273;  
Best Local Similarity 44.2%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;

Query Match 44.6%; Score 596; DB 3; Length 270;  
Best Local Similarity 44.1%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;

Query Match 44.2%; Score 594.5; DB 2; Length 273;  
Best Local Similarity 44.2%; Pred. No. 1.5e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 49; Gaps 6;

1 MTFFDKMPANDEPDKSGRKPK-----EE 26  
1 MTVDPP-KGMKDQDQKPGNGKTAKGFWSSWRWYPAATVLGVCLGLLTVILLIQLSQ- 58

Db 1 MTVDPP-KGMKDQDQKPGNGKTAKGFWSSWRWYPAATVLGVCLGLLTVILLIQLSQ- 58  
Qy 30 ELKKGIDITRKLDEKSKEOBELL-QMIONLQEALQRAANSSEBESORELKSGKIDTLIK 87  
Db 59 -----VSDLIKQQANITHQEDLEGIL-----AQRRSEKSAEQSKELEMETLAHK 108  
Db 88 LNPKSKCQEBLLQKQNQNLQEALQRAANFSGPQCPQDWLWHKENCYLF-HGPFWEMKRQTC 146  
Qy 109 LDEKSKEQELQKQNQNLQEALQRAANFSGPQCPQDWLWHKENCYLF-HGPFWEMKRQTC 168  
Db 147 QSLGGOLQINGADDLTFLQIAISHTTSPFMIGHLRKPKQWPMLWENGPMLNFOFFTRG 206  
Qy 169 LSDAHILKINSTDEFELIQMIAHSSPFMGLSMRKPKYNSWLWEDGTLPFLFRIG 228  
Db 207 VSLQLYSSSNCAVYQDGAFAENCILIAFSTCQKTKTNHQ 246  
Qy 229 AVSRMYPGTCAYIQRGTVAEFCILTAFSICQKKANLLR 268

Db 1 MTVDPP-KGMKDQDQKPGNGKTAKGFWSSWRWYPAATVLGVCLGLLTVILLIQLSQ- 58  
Qy 30 ELKKGIDITRKLDEKSKEOBELL-QMIONLQEALQRAANSSEBESORELKSGKIDTLIK 87  
Db 59 -----VSDLIKQQANITHQEDLEGIL-----AQRRSEKSAEQSKELEMETLAHK 108  
Db 88 LNPKSKCQEBLLQKQNQNLQEALQRAANFSGPQCPQDWLWHKENCYLF-HGPFWEMKRQTC 146  
Qy 109 LDEKSKEQELQKQNQNLQEALQRAANFSGPQCPQDWLWHKENCYLF-HGPFWEMKRQTC 168  
Db 147 QSLGGOLQINGADDLTFLQIAISHTTSPFMIGHLRKPKQWPMLWENGPMLNFOFFTRG 206  
Qy 169 LSDAHILKINSTDEFELIQMIAHSSPFMGLSMRKPKYNSWLWEDGTLPFLFRIG 228  
Db 207 VSLQLYSSSNCAVYQDGAFAENCILIAFSTCQKTKTNHQ 246  
Qy 229 AVSRMYPGTCAYIQRGTVAEFCILTAFSICQKKANLLR 268

Qy 27 SQRFLKGKIDTIRKLDEKSKEQFELL-QMIONLQEALQRAANSSEESQRELKGIKDTL 84  
 Db 60 SQ----VSDLKKQOQNITHQDILSQIL---IQRRESKSAESQKLKEMIETL 108  
 Qy 85 TLKLINEKSKEQEBELLQKHNOLQEAQNFSGPQDMLWHKENCYLF-HGPFGMWKNR 143  
 Db 109 AHKLDESKXKLMELHQNQLNQEVLAEANYSGCPQDMLWHENCYOFSSGSFNWKSQ 168  
 Qy 144 QTCOSLGGOLLQINGADDLTFIQLQASHTSPWFLPFFK 203  
 Db 169 ENCLSLDAHLKINSTDELIQOMAHSSFPWGLSMRKPNYSWLMEDGTPLTPHLFR 228  
 Qy 204 TRGVSLQLYSSSNCAYLQDGAVFAENCILIAFSICOKTKTNHQ 246  
 Db 229 IQGAVSRMYPGTCAYIQRGTVFAENCILAFSICOKKANLR 271

RESULT 8  
 US-09-352-302-4  
 Sequence 4, Application US/09352302  
 ; Patent No. 6197937  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAllay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/352,302  
 ; FILING DATE: 12-JUL-1999  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: JP 7-214206  
 ; FILING DATE: 31-JUL-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Goldberg, Jules E  
 ; REGISTRATION NUMBER: 24408  
 ; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212 986-4090  
 ; TELEFAX: 212 818-9479  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 273 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-09-352-302-4

Query Match 45.1%; Score 594.5; DB 3; Length 273;  
 Best Local Similarity 44.2%; Pred. No. 1.5e-45;  
 Matches 125; Conservative 39; Mismatches 70; Indels 49; Gaps 6;

Query Match 1 MTFFDDKMKPKEANDDQKSCGKPK--  
 Db 1 MTVDPP-KGMKDQDQKPKNGKTAKGTTGFVSSWRWYPAVTLGVLCLGSLVTVILLQL 59

Qy 27 SQRFLKGKIDTIRKLDEKSKEQFELL-QMIONLQEALQRAANSSEESQRELKGIKDTL 84  
 Db 60 SQ----VSDLKKQOQNITHQDILSQIL---IQRRESKSAESQKLKEMIETL 108  
 Qy 85 TLKLINEKSKEQEBELLQKHNOLQEAQNFSGPQDMLWHKENCYLF-HGPFGMWKNR 143  
 Db 109 AHKLDESKXKLMELHQNQLNQEVLAEANYSGCPQDMLWHENCYOFSSGSFNWKSQ 168  
 Qy 144 QTCOSLGGOLLQINGADDLTFIQLQASHTSPWFLPFFK 203  
 Db 169 ENCLSLDAHLKINSTDELIQOMAHSSFPWGLSMRKPNYSWLMEDGTPLTPHLFR 228  
 Qy 204 TRGVSLQLYSSSNCAYLQDGAVFAENCILIAFSICOKTKTNHQ 246  
 Db 229 IQGAVSRMYPGTCAYIQRGTVFAENCILAFSICOKKANLR 271

RESULT 9  
 US-08-688-342-1  
 Sequence 1, Application US/08688342  
 ; Patent No. 5811964  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Au-Young, Janice  
 ; APPLICANT: Cocks, Benjamin G.  
 ; APPLICANT: Goli, Surya K.  
 ; APPLICANT: Hillman, Jennifer L.  
 ; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: US  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSEQ Version 1.5  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/688,342  
 ; FILING DATE: Filed Herewith  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.  
 ; REGISTRATION NUMBER: 36,749  
 ; REFERENCE/DOCKET NUMBER: PF-0095-1 CIP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-845-4166  
 ; TELEFAX: 415-845-4166  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 201 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; LIBRARY: MMUR1DT01  
 ; CLONE: 515847  
 ; US-08-688-342-1

Query Match 19.0%; Score 251; DB 2; Length 201;  
 Best Local Similarity 35.2%; Mismatches 49; Indels 2; Gaps 2;  
 Matches 45;

Qy 116 SGCPQDMLWHKENCYLFHGP-GWEKNRQCSLQGQIQLQGADDLTFI-QLASHTT 173  
 Db 71 SSPCPNWVITYEKSCYLSMSLNWDGSKRQWLGNSNLKIDSNNBLGFIVQVSSQPD 130

Qy 174 SPFWIGLHRKKPGQDMLWENGTPLNFQFFKTRGVSLQYSSNNCAYLQDGAVFAENCILI 233  
 Db 131 NSPWIGLHRKKPGQDMLWENGTPLNFQFFKTRGVSLQYSSNNCAYLQDGAVFAENCILI 233

QY 234 AFSICOKK 241  
 Db 191 SYSICKK 198

RESULT 10  
 US-09-113-788-1  
 Patent No. 5969104  
 GENERAL INFORMATION:  
 APPLICANT: Au-Young, Janice  
 APPLICANT: Cocks, Benjamin G.  
 APPLICANT: Goli, Surya K.  
 APPLICANT: Hillman, Jennifer L.  
 TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 ZIP: 94304

COMPUTER READABLE FORM:  
 COMPUTER: IBM Compatible  
 COMPUTER TYPE: Diskette  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/113,788  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 08/688,342  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0095-1 CIP  
 TELECOMMUNICATION INFORMATION:  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 201 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: Peptide  
 IMMEDIATE SOURCE:  
 LIBRARY: MMRLD101  
 CLONE: 515947

US-09-113-788-1

Query Match 19.0%; Score 251; DB 2; Length 201;  
 Best Local Similarity 35.2%; Pred. No. 5.7e-15;  
 Matches 45; Conservative 32; Mismatches -49; Indels 2; Gaps 2;

RESULT 12  
 US-08-772-440-8  
 Sequence 8, Application US/08772440  
 Patent No. 6046158  
 GENERAL INFORMATION:  
 APPLICANT: Takashima, Akira  
 TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
 TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
 NUMBER OF SEQUENCES: 42

ADDRESSEE: Arnold, White & Durkee  
 STREET: P.O. Box 4433  
 CITY: Houston  
 STATE: Texas

Sequence 31, Application US/08772440  
 Patent No. 6046158  
 GENERAL INFORMATION:  
 APPLICANT: Ariizumi, Kiyoshi  
 APPLICANT: Takashima, Akira  
 TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
 TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
 NUMBER OF SEQUENCES: 42

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Arnold, White & Durkee  
 STREET: P.O. Box 4433  
 CITY: Houston  
 STATE: Texas

Computer readable form:  
 Computer: IBM PC compatible  
 Operating system: PC/OS/MS-DOS  
 Software: Parent In Release #1.0, Version #1.30  
 Current application data:  
 Application number: US/08/772,440  
 Filing date: CONCURRENTLY HEREWITH  
 Classification: 435  
 Attorney/agent information:  
 Name: Parker, David L.  
 Registration number: 32,165  
 Reference docket number: UTXD:493  
 Telecommunication information:  
 Telephone: 512/418-3000  
 Telefax: 512/474-7577  
 Information for seq id no: 31:  
 Sequence characteristics:  
 Length: 180 amino acids  
 Type: amino acid  
 Strandedness:  
 Topology: linear  
 US-08-772-440-31

Query Match 17.6%; Score 231.5; DB 3; Length 180;  
 Best Local Similarity 29.4%; Pred. No. 2.7e-13;  
 Matches 52; Conservative 30; Mismatches 88; Indels 7; Gaps 3;

QY 67 ANSSEESORELKSKIDLTULKLNESKSKEOELLQKKNONLOFAQRANFSGCPDMLWH 126  
 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:  
 Db 8 SNGRNPPBK ---DNFLSRNKENHPTESSIDEVKAPSASQTTGFSQCLPNWIMH 62

QY 127 KENQYLPHGPFQWKNRQTCSQSLGGOLQINGADDLTFI-LQASHTTSPFWIGLHRKK 184  
 ::|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:  
 Db 63 GRSCYLFESGSNWSGRHCSQLGAHLKIDSKEFIEQSQSSRINAWGLRSNQ 122

QY 185 PGOPWLWNGTPLNQFFKTRGVSQLYSSNNCAYLDGAVFAENCLIAFSICQKK 241  
 :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:  
 Db 123 SECWPWNEDGSAFPNSFQVRNTVPOESLLNRCVWTHGESEVNQICNTSSYCEKE 179

RESULT 12  
 US-08-772-440-8  
 Sequence 8, Application US/08772440  
 Patent No. 6046158  
 GENERAL INFORMATION:  
 APPLICANT: Takashima, Akira  
 TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
 TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
 NUMBER OF SEQUENCES: 42

Correspondence address:  
 Addressee: Arnold, White & Durkee  
 Street: P.O. Box 4433  
 City: Houston  
 State: Texas

Sequence 31, Application US/08772440  
 Patent No. 6046158  
 General information:  
 Applicant: Ariizumi, Kiyoshi  
 Applicant: Takashima, Akira  
 Title of invention: Unique dendritic cell-associated c-type  
 Title of invention: Lectins, dectin-1 and dectin-2; compositions and uses  
 Number of sequences: 42

Correspondence address:  
 Addressee: Arnold, White & Durkee  
 Street: P.O. Box 4433  
 City: Houston  
 State: Texas

COUNTRY: USA  
 ZIP: 77210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/772,440  
 FILING DATE: CONCURRENTLY HEREWITH  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David L.  
 REGISTRATION NUMBER: UTXD:493  
 REFERENCE/DOCKET NUMBER: UTXD:493  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 512/418-3000  
 TELEFAX: 512/474-7577  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 244 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLogy: linear  
 US-08-772-440-2

Query Match Score 231; DB 3; Length 244;  
 Best Local Similarity 30.9%; Pred. No. 4.5e-13;  
 Matches 50; Conservative 27; Mismatches -83; Indels 2; Gaps 2;

Qy 82 DTLTLKNEKSKEQELLQKNQNQLQEALQRAANFSGPQPODWLWHKENCYLF-HGPFGEWE 140  
 Db 82 DNFLSRNKENHKPTESSLDERKAVPSKAQSOFTGGFSQSCLPNWIMHGSCKYLFSGNSWY 141

Qy 141 KNRQTCSLGQLQLQINGADDLTFI-LQAISHTSPPWIGLHRKPGQPWLWENTPLNF 199  
 Db 142 GSKRHCSQLGAHLKIDNSKEPEFESQTSRRHIAFWIGLSRNQSEGPAWFEDGSAFFP 201

Qy 200 QFFKTTRGVSLQYSSNCAVYLQDGAVFAENCILIAFSICOKK 241  
 Db 202 NSFQVRNTVPQESLLHNCWVHGESEVYNQICNTSSYSCICEK 243

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RESULT 14  
 US-09-517-605-2  
 Sequence 2, Application US/09517605  
 ; Patent No. 6391567  
 GENERAL INFORMATION:  
 APPLICANT: Littman, Dan R.  
 APPLICANT: Kwon, Douglas S.  
 APPLICANT: van Kooy, Yvette  
 APPLICANT: Geijtenbeek, Theo  
 TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO  
 ; TITLE OF INVENTION: CELLS  
 FILE REFERENCE: 1049-1-017  
 CURRENT APPLICATION NUMBER: US/09/517,605  
 NUMBER OF SEQ ID NOS: 17  
 CURRENT FILING DATE: 2000-03-02  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 2  
 LENGTH: 404  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-517-605-2

Query Match Score 223; DB 4; Length 404;  
 Best Local Similarity 26.0%; Pred. No. 4.5e-12;  
 Matches 54; Mismatches 107; Indels 30; Gaps 10;

Qy 6 KMKPANDEPDOKS-----CGRKPKBESORELKKGKDITI--TRKLDEBSK 47  
 Db 129 RLKAAVGEPLLPSKQLOBIYQELTRLKAAVGELPERSK 188

Qy 48 EQEELLQMIQNLQEALQRAANSSESO-RELKKGKDITLTKLNKNSKEQELLQKNQNL 105  
 Db 189 -QETYQELTRLKAAVGELPEKSKQOEIYQELT-RLKAAVGEPLLPSK-QOEIYQELTQ 245

Qy 106 QEALQRAANFSGPQPODWLWHKENCYLF-QSGLQLOIQLQINGADDLTF 164  
 Db 246 KAAVERLICH--PCPMEWTFFQGNCYFMSNSQRWHDSTACKEYGAQLVVVKASAEQNF 302

Qy 165 ILQQAISHTSPPWIGLHRKPGQPWLWENTPL-NOFFPKTRGVSLQYSSNCAVYLQD 222  
 Db 303 LQSSRSNRTWMGSDLNAEGTMQWVGDGSPLPSFKQYWNRFNNV-GEEDCAEFSG 361

Qy 223 GAVPAENCILIAFSICOK 240

Db 362 NGWNDDKCNLAKFWICKK 379

62 NGWNDDKCNLAKFWICK 379

RESULT 15  
US-09-996-243-319

RESULT 15  
US-09-996-243-319 Application US/09996243  
Patent No. 6478825  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kjavin, Ivor J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same  
FILE REFERENCE: P2730PC13  
CURRENT APPLICATION NUMBER: US/09/996,243  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084500  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
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PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
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PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028

PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090349  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090355  
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 ; PRIOR FILING DATE: 1998-07-02  
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 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

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Db 206 GKAWLWMDGTPTSELFH--IIVDVTSPRSRDCVAILNGMIPSKDOCKELKRCVCERR 260  
 Search completed: December 18, 2003, 14:54:12  
 Job time : 22 secs

Query Match 16.8%; Score 221; DB 4; Length 280;  
 Best Local Similarity 29.2%; Prod. No. 4.2e-12;  
 Matches 52; Conservative 34; Mismatches 72; Indels 20; Gaps 6;

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Qy	128	ENCYLFH-GPFGMKRNQTCOSLGGQLQINGADDITFIL-QAISHTTSPPNIGLHRKKP 185
Db	146	DNCXQFYKDSDKYFCCLSSENSTMILKINQEDLEFAASQSYSEFFSYWTGLLRPDS 205
Qy	186	GDPWLWNGTPLNFQQFKTRGVSQLQXSS-SSNCAYLQDGAVAEENCILIAFSICQKK 241

protein - protein search, using sw model						
Copyright (c) 1993 - 2003 Compugen Ltd.			December 18, 2003, 14:52:52 ; Search time 32 Seconds (without alignments) 1441.543 Million cell updates/sec			
title:	US-09-898-554-14	DB seq length: 0				
ref. score:	1319	maximum DB seq length: 2000000000				
sequence:	1 MTIFDDKMKPANDEPDQKSSCG.....ENCILIAFFSICOKKTNHLQI 247					
scoring table:	BL05M62					
searched:	696363 seqs, 186758610 residues					
total number of hits satisfying chosen parameters:						
	696363					
Published Applications AA:+						
1: /cgn2_6/ptodata/2/pubpa/us07_pubcomb.pep:*						Sequence 14, Ap
2: /cgn2_6/ptodata/2/pubpa/pct_new_pub.pep:*						Sequence 142, Ap
3: /cgn2_6/ptodata/2/pubpa/us05_pub.pep:*						Sequence 20, Ap
4: /cgn2_6/ptodata/2/pubpa/us06_pubcomb.pep:*						Sequence 142, Ap
5: /cgn2_6/ptodata/2/pubpa/us07_new_pub.pep:*						Sequence 16, Ap
6: /cgn2_6/ptodata/2/pubpa/pctus_pubcomb.pep:*						Sequence 18, Ap
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11: /cgn2_6/ptodata/2/pubpa/us09c_pubcomb.pep:*						Sequence 4, App
12: /cgn2_6/ptodata/2/pubpa/us09_new_pub.pep:*						Sequence 24, Ap
13: /cgn2_6/ptodata/2/pubpa/us10_pubcomb.pep:*						Sequence 48, Ap
14: /cgn2_6/ptodata/2/pubpa/us10_pubcomb.pep:*						
15: /cgn2_6/ptodata/2/pubpa/us10c_pubcomb.pep:*						
16: /cgn2_6/ptodata/2/pubpa/us10_new_pub.pep:*						
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18: /cgn2_6/ptodata/2/pubpa/us60_pubcomb.pep:*						
SUMMARIES						
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sult No.	Score	Match	Length	DB	ID	
1	1319	100.0	247	11	US-09-898-554-14	
2	1241	94.1	363	10	US-09-870-759-142	Sequence 142, Ap
3	1241	94.1	363	11	US-09-898-554-20	Sequence 20, Ap
4	1241	94.1	363	12	US-09-751-708A-142	Sequence 142, Ap
5	1057	80.1	201	11	US-09-898-554-16	Sequence 16, Ap
6	972	73.7	364	12	US-10-220-511-15	Sequence 15, Ap
7	812	61.6	155	11	US-09-898-554-18	Sequence 18, Ap
8	723	54.8	207	11	US-09-898-554-16	Sequence 26, Ap
9	643	48.7	278	12	US-10-220-511-11	Sequence 11, Ap
10	639	48.4	274	12	US-10-220-511-13	Sequence 13, Ap
11	637	48.3	273	9	US-09-796-858-47	Sequence 47, Ap
12	596	45.2	270	12	US-10-220-511-7	Sequence 2, App
13	363	29.6	165	11	US-09-898-554-14	Sequence 24, Ap
14	363	27.5	189	14	US-10-114-893-18	Sequence 48, Ap

Db 121 QDWLWHRNCYLFHGBPGWEKNRQTCQLGQQLLQINGADDLTFILOAISHTTSFPIWGL 180 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2) ; FILE REFERENCE: 0575/6-077 ; CURRENT APPLICATION NUMBER: US/05/898,554 ; CURRENT FILING DATE: 2001-07-02 ; NUMBER OF SEQ ID NOS: 40 ; SOFTWARE: PatentIn version 3.1 ; SEQ ID NO: 20 ; LENGTH: 363 ; TYPE: PRT ; ORGANISM: Murinae gen. sp. ; FEATURE: ; NAME/KEY: misc\_feature ; OTHER INFORMATION: Isoform 1 ; US-09-898-554-20

Query Match 94.1%; Score 1241; DB 11; Length 363; Best Local Similarity 67.5%; Pred. No. 4.3e-92; Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFFDKMKPANDEPDQKSCGKKPK-----24 Db 1 MTFFDKMKPANDEPDQKSCGKKPK-----24

Qy 1 MTFFDKMKPANDEPDQKSCGKKPK-----25 Db 1 MTFFDKMKPANDEPDQKSCGKKPK-----25

Qy 61 QVSDLLKQYQANLTQDRLLEGQMLAQQAENSKELKGKDITLTKLNKEKSQE-----24 Db 61 QVSDLLKQYQANLTQDRLLEGQMLAQQAENSKELKGKDITLTKLNKEKSQE-----25

Qy 25 -----ESQRELKGKDITLTKLNKEKSQEELLQMTLQVTLVCLVLSSVTLIVQWTQLR 60 Db 121 ELLQRNQNQEAQLQRANSSESSQRELKGKDITLTKLNKEKSQEELLQMTLQVTLVCLVLSSVTLIVQWTQLR 60

Qy 25 -----RAANSSSESSORELKQGKDTLTKLNKEKSQEELLQMTLQVTLVCLVLSSVTLIVQWTQLR 180 Db 121 ELLQRNQNQEAQLQRANSSESSQRELKGKDITLTKLNKEKSQEELLQMTLQVTLVCLVLSSVTLIVQWTQLR 180

Qy 65 RAANSSSESSORELKQGKDTLTKLNKEKSQEELLQMTLQVTLVCLVLSSVTLIVQWTQLR 124 Db 181 RAANSSSESSORELKQGKDTLTKLNKEKSQEELLQMTLQVTLVCLVLSSVTLIVQWTQLR 124

Qy 125 WHKENCYLFHGPFPWEKNRQTCOSLGGQOLQINGADDLTFILOAISHTTSFPIWGLHRK 184 Db 241 WHKENCYLFHGPFPWEKNRQTCOSLGGQOLQINGADDLTFILOAISHTTSFPIWGLHRK 300

Qy 185 PGQFWLWENGTPLNQFFFKTRGVSQLYSSSNCAYLQDGAVAAEBCNCLIAFSICQKCTNH 244 Db 301 PGQFWLWENGTPLNQFFFKTRGVSQLYSSSNCAYLQDGAVAAEBCNCLIAFSICQKCTNH 360

Qy 245 LQI 247 Db 361 LQI 363

RESULT 4 ; Sequence 142, Application US/09751708A ; Publication No. US20030157113A1 ; GENERAL INFORMATION: ; APPLICANT: TERNAN, David S ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE ; FILE REFERENCE: 751708 ; CURRENT FILING DATE: 2002-10-15 ; PRIOR APPLICATION NUMBER: US 09/751,708A ; NUMBER OF SEQ ID NOS: 166 ; SOFTWARE: PatentIn version 3.1 ; SEQ ID NO: 142 ; LENGTH: 363 ; TYPE: PRT ; ORGANISM: Mus musculus ; OTHER INFORMATION: Isoform 1 ; US-09-751-708A-142

Query Match 94.1%; Score 1241; DB 12; Length 363; Best Local Similarity 67.5%; Pred. No. 4.3e-92; Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFFDKMKPANDEPDQKSCGKKPK-----24 Db 1 MTFFDKMKPANDEPDQKSCGKKPK-----24

Qy 3 Sequence 20, Application US/09898554 ; General Information: ; Applicant: TALL, ALAN R ; Applicant: WELCH, CARRIE L ; Applicant: LIANG, CHIEN-PING ; Title of Invention: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROS

Db 1 MTFDDKMPANDEPDQKSCGKPKGLHLSSPWWFPAAAMTLVILCLVLISVTLLIVQWTQLR 60  
25 ----- 24

Qy 61 QVSDLKKQYQANLTQODRILEGMNLAQKAENASQESKKELKGKIDDTLKUNKEKSQE 120  
25 ----- 24

Db 121 ELLQRNNQIQLEARANSSEESORELKCKIDITLKULDEKSKEQELLQMIQNLQALQ 180

Qy 65 RAANSSESESORELKCKIDDTLKUNKEKSKEQELLQMIQNLQALQDFPQDWL 124  
181 RAANSSESESORELKCKIDDTLKUNKEKSKEQELLQMIQNLQALQDFPQDWL 240

Db 125 WHKENCYLPHGPWEKRQTCGSLGGQIQLINGADDITFILAISHTSPFWIGLRKK 184  
241 WHKENCYLPHGPWEKRQTCGSLGGQIQLINGADDITFILAISHTSPFWIGLRKK 300

Qy 185 PGQFWLWENGTPINFQFFKTRGVSLQLYSSNCAYLDGAVFAENCILIAFSICQKTNH 244  
301 PGQFWLWENGTPINFQFFKTRGVSLQLYSSNCAYLDGAVFAENCILIAFSICQKTNH 360

Qy 245 LQI 247

Db 361 LQI 363

Db 195 KTNHLQI 201

RESULT 6  
US-10-220-511-15  
; Sequence 15, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF  
; FILE REFERENCE: SHIM-O17  
; CURRENT APPLICATION NUMBER: US/10-220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO: 15  
; LENGTH: 364  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-10-220-511-15

Query Match 73.7%; Score 972; DB 12; Length 364;  
Best Local Similarity 53.2%; Pred. No. 2.1e-70; Indels 116; Gaps 2;  
Matches 192; Conservative 23; Mismatches 30; Indels 116; Gaps 2;

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Qy 1 MTFDDKMPANDEPDQKSCGKPK 24  
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Db 25 ----- 24

Qy 25 ----- 24

Db 61 QVSDLKKQYQANLTQODHLEGQMSAQKKAENASQESKRELKEQIDTLTWLNKEKSQE 120

Qy 51 ELLQMIQNLQALQDRAANS----- 69

Db 121 KLUQONQNLQALQAVNASEBESKWELKEQIDLNWKNGTSKEQKELQONQNLQBALQ 180

Qy 70 ----- 60

Db 181 KAEKYSEESORELKEQIDTLSWLNKEKSKEQELLQONQNLQALQRAANS----- 240

Qy 125 WHKENCYLPHGPWEKRQTCGSLGGQIQLINGADDITFILAISHTSPFWIGLRKK 184  
70 ----- 60

Db 241 WHKENCYLPHGPWEKRQTCGSLGGQIQLINGADDITFILAISHTSPFWIGLRKK 300

Qy 185 PGQFWLWENGTPINFQFFKTRGVSLQLYSSNCAYLDGAVFAENCILIAFSICQKTNH 244

Db 301 ENHPWLWENGTPLSFQFERTRGVSLQMYSSCTCAVYIQQGVFAENCILIAFSICQKTNH 360

Qy 245 L 245  
Db 361 L 361

RESULT 7  
US-09-898-554-18  
; Sequence 18, Application US/09898554  
; Publication No. US20030086673A1  
; GENERAL INFORMATION:  
; APPLICANT: TAL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING

Db 121 QDMLWHKENCYLPHGPWEKRQTCGSLGGQIQLINGADDITFILAISHTSPFWIGL 180  
75 QDMLWHKENCYLPHGPWEKRQTCGSLGGQIQLINGADDITFILAISHTSPFWIGL 134

Qy 181 HRKPGQFWLWENGTPINFQFFKTRGVSLQLYSSNCAYLDGAVFAENCILIAFSICQK 240

Db 135 HRKPGQFWLWENGTPLNQFFKTRGVSLQLYSSNCAYLDGAVFAENCILIAFSICQK 194

Qy 241 KTNHLQI 247

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)

FILE REFERENCE: 05/15/64077

CURRENT APPLICATION NUMBER: US/09/898,554

CURRENT FILING DATE: 2001-07-02

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 18

LENGTH: 155

TYPE: RPT

ORGANISM: Murinae gen. sp.

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Isoform 9

US-09-898-554-18

Query Match 61.6%; Score 812; DB 11; Length 155;

Best Local Similarity 61.9%; Pred. No. 5.7e-58;

Matches 153; Conservative 0; Mismatches 2; Indels 92; Gaps 1;

Db 1 MTFDDKXKPKANDEPDQKSCGKPKPESSQRELKGIIDTLKDESKSKEQEBLLQMNQLQ 60.

Db 1 MTFDDKXKPKANDEPDQKSCGKPK----- 24

Oy 61 EALQRANSSESBSEORELKGKIDTLTILKNEKSKEQEBLLQRNQNLOEALORAANFGCP 120

Db 25 ----- 28

Oy 121 QDWLWHKENCYLFGPGWEKNRQTCOSLGGQDQINGADDLTFIQLAISHTTSPFWIGL 180

Db 29 QDWLWHKENCYLFGPGWEKNRQTCOSLGGQDQINGADDLTFIQLAISHTTSPFWIGL 88

Oy 181 HRKKPGPQFWLWNGTPNQFPKTRGSQLOQYSSNCNQYLOGDAVFAENCLIAFSICQR 240

Db 89 HRKKPGPQFWLWNGTPNQFPKTRGVSLQLYSSNCNQYLDGAVFAENCLIAFSICQR 148

Oy 241 KTNHLQI 247

Db 149 KTNHLQI 155

RESULT 9

US-10-220-511-11

Sequence 11, Application US/10220511

Publication No. US20030143226A1

GENERAL INFORMATION:

APPLICANT: Kobayashi, Yuko

APPLICANT: Tsuji, Hiroyuki

APPLICANT: Kamada, Masafumi

APPLICANT: Sawamura, Tatuya

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF

FILE REFERENCE: SHIM-017

CURRENT APPLICATION NUMBER: US/10/220,511

CURRENT FILING DATE: 2002-12-06

PRIOR APPLICATION NUMBER: JP P2000-57745

PRIOR FILING DATE: 2000-03-02

PRIOR APPLICATION NUMBER: JP P2000-333116

PRIOR FILING DATE: 2000-10-31

PRIOR APPLICATION NUMBER: PCT/JP01/01636

PRIOR FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 11

LENGTH: 278

TYPE: PR

ORGANISM: Oryctolagus cuniculus

US-10-220-511-11

Query Match 49.7%; Score 643; DB 12; Length 278;

Best Local Similarity 49.3%; Pred. No. 4.0e-44;

Matches 135; Conservative 39; Mismatches 70; Indels 30; Gaps 6;

Db 1 MTFDD-KKPKANDEPDQKSCGKPKPESSQRELK----- 40

Db 5 MAVDDLKVKPMKDOPDKSNGKPK- GLRFESSPPWCPAAVALGVICLGSLSMTITLMGM 62

Oy 41 ---KLDDESKSKEQEBLLQMNQLQ--- -ALQRANSSESBSEORELKGKIDTLTILKNEKS 93

Db 63 QLQVSDFLIIKQQANLTIQENIEQVILAQQEAEASQRELEKMETLAKRDLDESK 122

Oy 94 EQEBLLQRNQNLOEALQRANSSESBSEORELKGKIDTLTILKNEKS 93

Db 123 KQMLNHNOYLNLQALKMDNFNSGPEDWLWKGKNCYLFSSSSFNNESSQEXLSDAQ 182

RESULT 8

US-09-898-554-26

Sequence 26, Application US/09898554

Publication No. US20030068673A1

GENERAL INFORMATION:

APPLICANT: TELL, ALAN R

APPLICANT: WELCH, CARRIE L

APPLICANT: LIANG, CHIEN-PING

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)

FILE REFERENCE: 05/15/64077

CURRENT APPLICATION NUMBER: US/09/898,554

CURRENT FILING DATE: 2001-07-02

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 26

LENGTH: 207

TYPE: RPT

ORGANISM: Murinae gen. sp.

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Isoform 4

US-09-898-554-26

Query Match 54.8%; Score 723; DB 11; Length 207;

Best Local Similarity 66.7%; Pred. No. 1.2e-50;

Matches 142; Conservative 16; Mismatches 19; Indels 36; Gaps 4;

Db 1 MTFDDKXKPKANDEPDQKSCGKPKPE----- 32

Db 1 MTFDDKXKPKANDEPDQKSCGKPKGLHLLSSPWWFPAAMTIVLVLIVQWTQLR 60

RESULT 10

US-10-220-511-13

Sequence 13, Application US/10220511

Publication No. US20030143226A1

GENERAL INFORMATION:

APPLICANT: Kobayashi, Yuko

APPLICANT: Tsuji, Hiroyuki



LENGTH: 273  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-220-511-2

Query Match 48.3%; Score 637; DB 12; Length 273;  
Best Local Similarity 48.9%; Pred. No. 1.4e-43;  
Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

QY 1 MTFDD-KMKPANDEPDQSKCSKPKPEBSQRELK-----GKIDT1-- 38  
DB 1 MTFDDLK1QTYVKDQFDEKSNGKKAK - - - - - GLOFLYSPWNCIAATLGVICLGIVTTMV 55

QY 39 ----TRKLDEKSKEOBELQMIONIQ---BALORAAANSSEBESORELKGKIDT1TLKNE 90  
DB 56 LGMQLSQUVSQDSLITQEAQNLTTHQKKEGLQTSAROQAEEQSENEELKEMETLARKNE 115

QY 91 KSKEQEELLQKQNQNLQEAQRAAASFPCPQCDWLWKHENCYLF-HGPFCWEKNRQTCQSL 149  
DB 116 KSKEQMEHLHONLNQETLKRVANCAPSQCDWTHGENCYLFSGGSFNWEKSQEKCLSL 175

QY 150 GGOLLOINGADDLTFIQLQASHTTSPPFWIGHRKPGQPMWENGTPLNQFFKTRGSL 209  
DB 176 DAKLJKINSTADLDFIQLQASHTTSPPFWIGHRKPGQPMWENGTPLNQFFKTRGSL 235

QY 210 QLYSSNNCATYLDQGAVYAENCLIAFSICOKTKN 243  
DB 236 QTPSGTCAYIQRGAVYAENCLIAFSICOKKAN 269

RESULT 13.  
US-10-220-511-4  
Sequence 4, Application US/10220511  
Publication No. US20030143226A1  
GENERAL INFORMATION:  
APPLICANT: Kobayashi, Yuko  
APPLICANT: Tsuji, Hiroyuki  
APPLICANT: Kamada, Masafumi  
APPLICANT: Sawamura, Tatsuya  
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF  
FILE REFERENCE: SHIM-017  
CURRENT APPLICATION NUMBER: US/10/220,511  
CURRENT FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: JP P2000-57745  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: JP P2000-333116  
PRIOR FILING DATE: 2000-10-31  
PRIOR APPLICATION NUMBER: PCT/JP01/01636  
PRIOR FILING DATE: 2001-03-02  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 4  
LENGTH: 270  
TYPE: PRT  
ORGANISM: Bos taurus  
US-10-220-511-4

Query Match 45.2%; Score 596; DB 12; Length 270;  
Best Local Similarity 44.6%; Pred. No. 2.9e-40;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;

QY 1 MTFDD-KMKPANDEPDQSKCSGKPK-----EESQR 29  
DB 1 MTVDPP-KGMKDQDOPNGKTAKGVFSSWRWPAVTGLVCLGLIVTTMQLSQ 58

QY 30 ELKGKIDT1TRKLDEKSKEOBELL-QMIONLQEAQRAANSSEBESORELKGKIDT1TLK 87  
DB 59 ----VSDLIRKQDQANITHQDILEBQEQI-----AQRSERKSAQSQEQKETLAHK 108

QY 88 LNEKSKEQEBELLQKQNQNLQEAQRAAASFPCPQCDWLWKHENCYLF-HGPFGWENRQTC 146  
DB 109 LDEKSCKLMLHQNQNLQEVTLKEAANYSGCPQDWLWHENCYQFSQGSFNWEKSQENC 168

QY 147 QSTGGQILQINGADDLTFIQLQASHTTSPPFWIGHRKPGQPMWENGTPLNQFFKTRG 206  
DB 169 LSUDAHLLKINSDELEBQQTNAHSPPFMGLSMRKPNYSWLMEDGTPLTPHLFRIG 228

RESULT 14.  
US-09-898-554-24  
Sequence 24, Application US/09898554  
GENERAL INFORMATION:  
APPLICANT: TALL, ALAN R.  
APPLICANT: WELCH, CARRIE L.  
APPLICANT: LIANG, CHIEN-PING  
TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
FILE REFERENCE: 0575/64077  
CURRENT APPLICATION NUMBER: US/09/898, 554  
CURRENT FILING DATE: 2001-07-02  
NUMBER OF SEQ ID NOS: 40  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 24  
LENGTH: 165  
TYPE: PRT  
ORGANISM: Murinae gen. sp.  
FEATURE:  
NAME/KEY: misc\_feature  
OTHER INFORMATION: Isoform 3  
US-09-898-554-24

Query Match 29.6%; Score 390; DB 11; Length 165;  
Best Local Similarity 52.1%; Pred. No. 6.3e-24;  
Matches 86; Conservative 6; Mismatches 3; Indels 70; Gaps 1;

QY 1 MTFDD-KMKPANDEPDQSKCSGKPK-----EESORELKGKIDT1TRKLDEBSKQE 24  
DB 1 MTFDD-KMKPANDEPDQSKCSGKPK-----EESORELKGKIDT1TRKLDEBSKQE 60

QY 25 -----EESORELKGKIDT1TRKLDEBSKQE 50  
DB 61 QVSPLLKQYQANLTQDRLLEGOMLAQQAENSTSPPKELKGKIDT1TRKLDEBSKQE 120

QY 51 ELLQDIONLQEAQRAANSSEBESORELKGKIDT1TRKLDEBSKQE 95  
DB 121 ELLQDQNLQEAQRAANSSEBESORELKGKIDT1TRKLDEBSKQE 165

RESULT 15.  
US-10-114-893-48  
Sequence 48, Application US/10114893  
Publication No. US20020193567A1  
GENERAL INFORMATION:  
APPLICANT: Jacobs, Kenneth  
APPLICANT: McCoy, John M.  
APPLICANT: Lavallie, Edward R.  
APPLICANT: Collins-Racie, Lisa A.  
APPLICANT: Evans, Cheryl  
APPLICANT: Mergerg, David  
APPLICANT: Tracy, Maurice  
APPLICANT: Bowman, Michael R.  
APPLICANT: Spaulding, Vicki  
APPLICANT: Carlin-Buckett, McKeough  
APPLICANT: Keleher, Kerry S.  
APPLICANT: Genetics Institute, Inc.  
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
FILE REFERENCE: GI 6000-10A  
CURRENT APPLICATION NUMBER: US/10/114, 893  
CURRENT FILING DATE: 2002-04-02  
EARLIER APPLICATION NUMBER: 09/413, 232

*EARLIER FILING DATE: 1999-10-06*  
*NUMBER OF SEQ ID NOS: 321*  
*SOFTWARE: PatentIn Ver. 2.0*  
*SEQ ID NO 48*  
*LENGTH: 189*  
*TYPE: PRT*  
*ORGANISM: Homo sapiens*  
*US-10-114-893-48*

Query Match 27.5%; Score 363; DB 14; Length 189;

Best Local Similarity 44.0%; Pred. No. 1.1e-21;  
Matches 85; Conservative 25; Mismatches 47; Indels 36; Gaps 6;

Qy	1 MTFDD-KMKPANDBPDKSCGKPKPEBSERELK-----	GKIDT-- 38
Db	1 MTFDDLKIQTVKQDPDESSNGKAK-----	GLQFLYSPWWCLAAATLGVLCLGLVVTIMV 55
Qy	39 -----TRKLDEKSKEQBELLQMIQNLO--	EALQRAANSSEESQREIKGKIDTLTURKLINE 90
Db	56 LGMQLSQVS DLLTQEQANLTHQKKLKGQISARQAAEASQEEENEKEMIEBTLARKLINE 115	
Qy	91 KSKEQEBELQKNONLQEALQRAANFSGCPQDWLWHKENCYLF-HGFGWERNRQTCQSI 149	
Db	116 KSKEQMEIHHQNTNLQETLKRVANCASAPCPQDWLWHGENCYLFSSSGENWEKSQEIKCLSL 175	
Qy	150 GGQLQINGADDL 162	
Db	176 DAKILKINSTADL 188	

Search completed: December 18, 2003, 14:58:39  
Job time : 33 secs

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OM protein - nucleic search, using frame\_plus\_B2n model

Run on: December 18, 2003, 23:36:06 ; Search time 67 Seconds  
(without alignments)

1627.189 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319

Sequence: MTFDDKMKPANDEPDQKSCG.....ENCILIAFSTICQQKTNHLQI 247

Scoring table: BLOSUM62

Xgapop 10.0	Xgapext 0.5
Ygapop 10.0	Ygapext 0.5
Fgapop 6.0	Fgapext 7.0
Delop 6.0	Delext 7.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:

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-NODE=frame_p2n.model -DEV=x
-O /cgn2_1/ISPTO/spool/US09898554/runat18122003.135011.18516/app/query.fasta_1.391
-DB Issued_Patents_NA -QEMT=fastaed -SUFFIXx.ini -MINMATCH=0.1 -LOOPJL=0
-UNITS=bits -UNITS=bits -START=1 -END=1 -MATRIX=biolum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFT=ptl -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=200000000
-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSFBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOD=10 -XGAPEXT=0.5 -FGAPPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPXT=0.5 -DELOP=6 -DELEXT=7
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Database : Issued\_Patents\_NA:\*

- 1: /cgn2\_6/ptodata/1/ina/5A\_COMBO.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5B\_COMBO.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/6A\_COMBO.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B\_COMBO.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMBO.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description	
1	637	48.3	1318	2	US-09-809-494A-5	Sequence 5, Appli	
2	637	48.3	1318	3	US-09-352-302-5	Sequence 5, Appli	
3	596	45.2	1897	2	US-09-809-494A-1	Sequence 1, Appli	
4	596	45.2	1897	3	US-09-352-302-1	Sequence 1, Appli	
5	594.5	45.1	1906	2	US-09-809-494A-3	Sequence 3, Appli	
6	594.5	45.1	1906	3	US-09-352-302-3	Sequence 2, Appli	
7	251	19.0	990	2	US-09-688-342-2	Sequence 2, Appli	
8	251	19.0	990	2	US-09-113-788-2	Sequence 2, Appli	
9	251	19.0	990	4	US-09-016-434-804	Sequence 8/4, Appli	
10	231	17.5	528	3	US-08-772-440-7	Sequence 7, Appli	
11	231	17.5	2298	3	US-08-772-440-1	Sequence 1, Appli	
12	223	16.9	1212	3	US-09-591-435-11	Sequence 2, Appli	
13	223	16.9	1312	4	US-09-517-605-1	Sequence 1, Appli	
14	223	16.9	1740	2	US-09-555-015-2	Sequence 2, Appli	
15	221	16.8	1212	3	US-09-591-423-318	Sequence 10, Appli	
16	221	16.8	178	3	US-08-772-440-9	Sequence 9, Appli	
17	212	16.1	885	1	US-08-365-103B-3	Sequence 5, Appli	
18	207	15.7	821	1	US-08-365-103B-5	Sequence 2, Appli	
19	186	14.1	924	1	US-08-650-015-2	Sequence 2, Appli	
20	186	14.1	970	1	US-08-650-015-2	Sequence 2, Appli	
21	186	14.1	970	4	US-09-113-789-2	Sequence 2, Appli	
22	186	14.1	970	4	US-09-016-334-800	Sequence 8/0, Appli	
23	186	14.1	1005	1	US-08-365-103B-1	Sequence 1, Appli	
24	186	14.1	1737	4	US-09-382-273-34	Sequence 52, Appli	
25	179	13.6	821	1	US-08-365-103B-9	Sequence 7, Appli	
26	179	13.6	963	4	US-09-596-243-423	Sequence 423, Appli	
27	179	13.6	693	3	US-08-543-246B-13	Sequence 13, Appli	
28	166.5	12.6	1222	3	US-08-543-246B-10	Sequence 5, Appli	
29	166.5	12.6	1223	4	US-09-016-434-1347	Sequence 1347, Appli	
30	166.5	12.6	871	1	US-08-350-578-1	Sequence 9, Appli	
31	166	12.6	1025	1	US-08-365-103B-9	Sequence 7, Appli	
32	165.5	12.5	1037	1	US-08-365-103B-7	Sequence 1, Appli	
33	165.5	12.5	573	4	US-09-531-056A-5	Sequence 5, Appli	
34	163	12.4	402	3	US-08-543-246B-10	Sequence 10, Appli	
35	158.5	12.0	648	3	US-08-543-246B-14	Sequence 14, Appli	
36	158.5	12.0	1755	3	PCT-US3-10418-1	Sequence 8, Appli	
37	158.5	12.0	600	1	US-08-343-246B-8	Sequence 1, Appli	
38	154.5	11.7	1370	3	US-09-111-410-9	Sequence 9, Appli	
39	152.5	11.6	4771	3	US-08-340-052-3	Sequence 11, Appli	
40	150	11.4	699	3	US-08-543-246B-11	Sequence 1, Appli	
41	149.5	11.3	1387	3	US-08-543-246B-11	Sequence 1, Appli	
42	149.5	11.3	43	149	3	US-08-340-052-1	Sequence 1, Appli
43	148.5	11.3	738	2	US-08-378-462-1	Sequence 1, Appli	
44	148.5	11.3	738	5	PCT-US3-0738-1	Sequence 1, Appli	

## ALIGNMENTS

RESULT 1  
US-08-809-494A-5

; Patent No. 5962260

; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEES: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Julie E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-Y-4363PCT

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-7490  
 FAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1318 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo Sapiens  
 TISSUE TYPE: Lung, placenta  
 IMMEDIATE SOURCE:  
 LIBRARY: Human lung cDNA  
 CLONE: lambdahOK-1  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: 66..125  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: 949..1309  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 127..948  
 US-08-09-494A-5

Alignment Scores:  
 Pred. No.: 1.08e-55 Length: 1318  
 Score: 637.00 Matches: 134  
 Percent Similarity: 61.68% Conservative: 35  
 Best Local Similarity: 48.91% Mismatches: 69  
 Query Match: 48.29% Index: 36  
 DB: 2 Gaps: 6

US-09-898-554-14 (1-247) x US-08-809-494A-5 (1-1318)

QY 1 MetThrPheAspAsp--LysMetLysProAlaAsnAspGluProAspGlnLysSerCys 19  
 Db 127 ATGACTTTGATGACCTAAAGATCCAGACTGTGAAGCCAGCTGTGAGAACTCAAT 186

Qy 20 GlyLysLysProLysGluGluSerGlnArgGluLeuLys----- 32

Db 187 GAAAIAAAAGTAA-----GGTCTTCAGTTCTTACTCTCATGGTGG 231

Qy 33 -----GlyLysIleAspThr----- 38

Db 232 TGCCTGCCCTGCGACTCTAGGGCTCTGGCTGGATTAGTAGCTGACATTGGTGG 291

Qy 39 -----ThrArgLysLeuAspGluLysSerLysGluGluLeuLys 53

Db 292 CTGGCCATTGCCAAATTATCCGCAATTGCTGACTCTCCPAAACACAAGAACCTTAAC 351

Qy 54 GlnMetIleGlnAsnLeuGln-----GluAlaLeuGlnArgAlaAlaSer 70

Db 352 CACCAGAAAAGAAACTGGGACAGATCTGCGACTGAGCTGAGATGAG 471

Qy 71 GluGluSerGlnArgGluLysLeuAspThrLeuLysLeuAsnGlu 90

Db 412 CAGGAGTCAGAAAACGAACTCAAGGAATGATAAACCTTGCTGAGCTGAG 471

Qy 91 LysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsnLeuGln 110

Db 472 AAATCCAAAGCCAATGGAACTTCACACAAATCTGAACTGAGCTGAG 531

Qy 111 ArgAlaAlaAlaAlaAsnPheserGlyProCysProGlnAspThrPhiLysGluLysCys 130

Db 532 AGAGTAGCAAATGGTCACTGCTGAGCTGAGCTGAGATGGATGCTGAG 591

Qy 131 TyrLeuPhe--HisGlyProPheGlyTrpGluLysSerLysGlnSerLeu 149

Db 592 TACCTATTTCCCTGGGCTCATTTAACCTGGAAAGGCCAAAGAGAACTGCTTGTCTTG 651

Qy 150 GlyGlyGlnLeuIleGlnIleAsnGlyAlaAsnAspLeuThrPheIleLeuGlnAlaIle 169

Db 652 GATGCCAAGGTGCTGAAATTAAATAGCACAGCTGATCTGGACTTCATCCAGGAAAGCAATT 711

Qy 170 SerIleThrThrSerProPhePhePheIleLeuIleGlyLysLysProGlyGlnProTrp 189

Db 712 TCCATTCGAGTTCCATTCTGAGTGGCTGCTCCGAGAACCCAGTACCCATGG 771

Qy 190 LeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLysThrArgGlyValSerLeu 209

Db 772 CTCGGGGAGACCCGCTTCCTGATGCCACTATTAGTCTCGAGGGCTGTCTCC 831

Qy 210 GluLeuTyroSerSerSerSerAsnCysAlaTyrlLeuGlnAspGlyAlaAlaAlaGluAsn 229

Db 832 CAGCATACCCCTTCAGGTACCTGTGATCATATAPACAACTGGAGCTGTATGGAAAC 891

Qy 230 CysteLeuIleLeuIleAspSerSerCysGlnLysLysSerThrAsn 943

Db 892 TGCTTTTTAGCCTCTCTAGTATGTCAGATATGTCAGAAGAGGAAAC 933

RESULT 2  
 US-09-352-302-5  
 Sequence 5, Application US/09352302  
 ; Patent No. 6197937  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; ADDRESS: McAulay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; COMPUTER READABLE FORM:  
 ; COMPUTER TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 ; STREET: 261 Madison Avenue  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10016-2391  
 ; FILING DATE: 12-JUL-1999  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/352, 302  
 ; FILING DATE: 12-JUL-1999  
 ; PRIORITY DATA:  
 ; APPLICATION NUMBER: JP 6-321705  
 ; FILING DATE: 30-NOV-1994  
 ; PRIORITY/DOCKET NUMBER: JG-YY-4363PCT/D  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 212 986-4090  
 ; FAX: 212 818-9419  
 ; INFORMATION FOR SEQ ID NO: 5:  
 ; LENGTH: 1318 base pairs  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 ; ORGANISM: Homo Sapiens  
 ; TISSUE TYPE: Lung, placenta

IMMEDIATE SOURCE:  
 LIBRARY: Human lung cDNA  
 CLONE: lambdahLOX-1  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: 66..125  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: 949..1309  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 127..948

US-09-352-302-5

Alignment Scores:

Pred. No. :	Score:	Length:	Matches:	Conservative:	Mismatches:	Indels:	Gaps:
Qy 1	MetThrPheAspASP--LysMetLysProAlaAlaAsnAspGluProAspGlnLysSer	19					
Db 127	ATGACTTTCATGACCTAAAGATCCAGACTGTGAGGACCAGCTGTAGAAGTCAAT	186					
Qy 20	GlyLysLysProLysGluGluSerGlnArgGluLysB-----	32					
Db 187	GGAAAAAAAGCTAA-----GGCTCTCAGTTCTTACTCTCCATGGTGG	231					
Qy 33	-GlyLysIleAspThrIle-----	38					
Db 232	TGCCCTGGCTGCTGGACTCTAGGGCTCCTTGCTGGATTAGTAGTGCACCATATTGGT	291					
Qy 39	-ThrArgLysIleAspGluGlySerLysGluGlnGluGluLeuIeu	53					
Db 292	CTGGGCATGCAATTATTCCAGGTGTCCTGACCTCTAAACAAAGCAACCTTAAC	351					
Qy 54	GlnMetIleGlnAsnLeuGln-----GluAlaLeuGlnArgAlaAlaAsnSer	70					
Db 352	CACCAAAGAAAAGAACTGGGGAGAGATCTCACCCGCCAACAGCGAAGAGCTCA	411					
Qy 71	GluGluSerGlnArgGluLeuLysLeuThrLeuLysLeuAsnGlu	90					
Db 412	CAGGATGTCAGAAAACGAACCTAAAGATAAAATGGAAACTCACCAGAATCTGAATGCTGAAACTGAG	471					
Qy 91	LysSerLysGluGlnGluLeuGlnLysAsnGlnAsnLeuGlnAlaLeuIn	110					
Db 472	AAATCCAAGAGCAAATGGAAACTCACCAGAATCTGAATGCTGAAACTGAG	531					
Qy 111	ArgAlaAlaAsnPhesSerGlyProCysProGlnAspTrpLeuTrpHisLysGluAsnCys	130					
Db 532	AGAGTAGCAAATGTTCACTCTCTGAAACTGATCTGGCAAGACTGAGTCAGTGGAAACTGTCAGTGGCTG	591					
Qy 131	TyrLeuIle---HisGlyProheGlyTGPGLuLysAsnArgGlnThrCysGlnSerLeu	149					
Db 592	TACCTATTCTGGCTCATTAACCTGGAAACTCGGAAAGGCAAGGAAACTGTCAGTGGCTG	651					
Qy 150	GlycylGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuIleLeuGlnAlaLeu	169					
Db 652	GATGCCAAGTTGCTGAAATTAAATGCCAGCTGACTCTGACTTCAGCAAGCTT	711					
Qy 170	SerHistidThrSerProhePheTrpIleGlyLeuIleArgLysProGlyGlnProTrp	189					
Qy 170	LeuTrpGluAsnGlyThrProLeuAsnProGlyLeuThrArgGlyValSerLeu	209					
Db 712	TCTTATTCTGAGTTTCGATGCCAGTCACCTGACTTCAGCTGCTGCTCC	771					
Qy 772	CTCTGGGGAGGACGCTTCCTTGTAGCTGCCACTTATAGCTCCGGGCTGTC	831					

RESULT 3  
 US-08-809-494-A-1  
 Sequence 1, Application US/0809494A  
 Patent No. 5962260

GENERAL INFORMATION:  
 APPLICANT: Sawamura, Tatsuya  
 ADDRESS: Mcbulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24-MAR-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 APPLICATION NUMBER:  
 REGISTRATION NUMBER: 24408  
 REFERENCE DOCKET NUMBER: JG-YY-4363PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-4749  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1897 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: CDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cell cDNA  
 CLONE: pBLox-1  
 FEATURE:  
 NAME/KEY: polyA\_site  
 LOCATION: 1880..1897  
 FEATUR:

NAME/KEY: miRNA\_RNA  
 LOCATION: 1859..1864  
 OTHER INFORMATION: /function= "PolyA Signal"  
 NAME/KEY: 5' UTR  
 LOCATION: 1..34  
 NAME/KEY: 3' UTR  
 LOCATION: 998..999

LOCATION: 848..1897  
 FEATURE: CDS  
 LOCATION: 35 .. 847  
 US-08-809-494A-1

Alignment Scores:  
 Pred. No.: 1.34e-60 Length: 1897  
 Score: 596.00 Matches: 125  
 Percent Similarity: 58.57% Conservative: 39  
 Best Local Similarity: 44.64% Mismatches: 70  
 Query Match: 45.19% Indels: 46  
 DB: 2 Gaps: 6

US-09-898-554-14 (1-247) x US-08-809-494A-1 (1-1897)

Oy 1 MetThrPheAspLysMetLysProAlaLysAspGluProAspGlnLysSerCysGly 20  
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Oy 21 LysLysProLys----- 24  
 Db 92 AAGACACAAAGGGTTGTTCCCTCTGGACGTCGTAACCTGCTGACTCTAGGG 151

Oy 25 ----- 25  
 GluGluSerGlnArg 29

Db 152 GTCCCTTGTCTGGATTACTGGTGAATTTGTGATGATCTGGATTATTCAG---- 208

Oy 30 GluLeuIysGlyLysS1leAspThrIleThrGlyLysLeuAspGluLysSerLysGluGln 49

Db 209 -----GTCCTCATCTCTATAAGAACAGCAAAATATACTACACAG 253

Oy 50 GluGlutLeuIeu----GlnMetIleGlnAsnLeuGlnGluAlaLeuGlnArgAlaAla 67

Db 254 GRAGATTCCTCGAGGGACAGATTAA-----GCACAGGCCGATGAA 298

Oy 68 AsnSerSerGluGluSerGlnArgGluLeuLysGlyS1leAspThrIleThrLeuLys 87

Db 299 AAATCCCACAGGAACTTACAGGAACTCAAGAAATGATAAGAACCCCTGCCAACAG 358

Oy 88 LeuAsnGluLysSerLysGluLysGluLeuLeuLysGlnAsnLeuGlnGlu 107

Db 359 CTGGATAGAAATCCAGAAACTAAATGAAACTTACGGCCGAACCTGAATCTCCAGAA 418

Oy 108 AlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTripleutrophilys 127

Db 419 GTCCTGAAGAGCCAAACTATCGGTCTGCCAGACTGCTGCTGGATGAA 478

Oy 128 GluAsnCystTyrlLeuPhe--HisGlyProheGlyTrpGluLysBsnArgGlnThrCys 146

Db 479 GAAAACGTAACTCAATTCTCTGGTTTAATGGAAAAAAGCCAGAGAACCTGC 538

Oy 147 GlnSerLeuGlyGlnLeuLeuGlnIleAsnAspLeuThrPheIleLeu 166

Db 539 TTGTCCTTGGATGCCCTCTGTGAAGATTAATGCCAGATGAACTGGATTCTACAG 598

Oy 167 GlnAlaIleSerHisthrSerProhetrpIleGlyLeuHisArgLysSproGly 186

Db 599 CAAATGTTGCCATTCTGATGGTTGCAATGAGAAACCAAT 658

Oy 187 GlnProPheLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThrArgGly 206

Db 659 TACTCGGGCTTGAGAGATGTACCCCTTGACGCCCACTGTTAGATTCAAGGGA 718

Oy 207 ValSerLeuGlnLeuTyrSerSerSerAsnCysSAlaTYLeuGlnAspGlyAlaValPhe 226

Db 719 GCTGTTTCCGTATGATCCCTCAGGACCCTGTGCATATTCAGGGAACTGTTT 778

Oy 227 AlaGluAsnCysIleLeuIlePheserIleCysGlnLysLysThrAsnHisLeuGln 246

Db 779 GCTGAAACTGATTTAATGCAATTGATATGTCAAAAGAAGGGAACTATGAGA 838

Alignment Scores:  
 Pred. No.: 1.34e-60 Length: 1897

Score: 596.00      Matches: 125  
 Percent Similarity: 58.57%      Conservative: 39  
 Best Local Similarity: 44.64%      Mismatches: 70  
 Query Match: 45.19%      Index: 46  
 DB: 3      Gaps: 6

US-09-898-554-14 (1-247) × US-09-352-302-1 (1-1897)

Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
 Db 35 ATGACTGTTGATGACCC---AAGGGTATGAAAGATCAACTTGATCAGAACGCCAAATGCC 91

Qy 21 LysLysProLys----- 24

Db 92 AAGACAGCAAAGGTTGGTTCTGTGAGGTGTAACCTGCTGTGACTCTGGG 151

Qy 25 ----- 29

Db 152 GTCCtttGTTGGATTACTGGTGAATCTGCAATTATCCAG--- 208

Qy 30 GluLeuLysGlyLysIleAspPheThrArgLysLeuAspGluLysSerGluGln 49

Db 209 ----- 253

Qy 50 GluGluLeuLysGlyLysIleAspPheThrLeuThrLeuLys 87

Db 299 AAATCGCCAGGACTACAGAAAGCAACTAAAGAAATGATAAGAA 67

Db 254 GAAGATATCTGGAGGACAGATTTA----- 358

Qy 88 LeuIleGluLysSerLysSerGluGlnGluGluIleLeuGlnGluAsnLeuGlnGlu 107

Db 359 CTGGATGAGAAATCCAGAAACTAAATGGAACTTCACCGCAGAACCTGATCCAGAA 418

Qy 108 AlaLeuGlnArgAlaAlaAsnPhenSerGlyProCysProGlnAspPheLeuThrPhe 127

Db 419 GRTCTGAAAGGGCAGCAAACTATCACAGTCCTGCTCCCAGAACGACTGGCTCTGGCATGAA 478

Qy 128 GluAsnCysteYLeuPhe---HisCysProPheGlyTrpGluLysSerArgGinThrCys 146

Db 479 GAAACCTGTTACCAATTCTCTCTGCTCTTTATGGAAAAGCAGGGAAACTGC 538

Qy 147 GlnSerLenglyGlyGlnLeuLeuGlnLeuLeuAspAspLeuThrPheIleLeu 166

Db 539 TTGCTTGTGGATGCCACTTGCTGAGATAATGCAACGATGAACTGGAAATTCACTCCAG 598

Qy 167 GlnAlaIleSerHisthrThrSerProPheTrpIleGlyLeuHisArgLysLysProGly 186

Db 599 CAAATGATGCCCATTCAGTCATGCTCTGGCTCTGGATGAGGAAACCACAA 658

Qy 187 GlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThrArgGly 206

Db 659 TACTCGTGGTTGGAAATGGTACTCTCTGCTGCCCCACTCTGTTAGAATTCAAGGAA 718

Qy 207 ValSerLeuGlnLeuLeuTyrosSerSerAsnCysAlaTyroLeuGlnAspGlyAlaValPhe 226

Db 719 GCTGTTTCCGGTAGTGTATCCTTCAGGGACTCTGTCATATTCAAGGGAACTGTGTTT 778

Qy 227 AlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHiLeuGln 246

Db 779 GCTGAAACTGCATTTAACTGATCAGTATGTCAAAAGAGGGAAATCTTGGAGA 838

RESULT 5  
 US-08-809-494A-3      Length: 1906  
 Sequence 3, Application US/08809494A      Matches: 125  
 Patent No. 596260      Percent Similarity: 39  
 GENERAL INFORMATION:      Best Local Similarity: 44.17%  
 APPLICANT: Sawamura, Tatsuya      Mismatches: 70  
 APPLICANT: Masaki, Tomoo      Query Match: 45.07%  
 TITLE OF INVENTION: Modified Low-Density Lipoprotein      Indels: 49  
 TITLE OF INVENTION: Receptor      Gaps: 6

NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
 STREET: 261 Madison Avenue  
 CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 COMPUTER TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/809,494A  
 FILING DATE: 24-MAR-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E  
 REGISTRATION NUMBER: 24408  
 REFERENCE DOCKET NUMBER: JG-WY-4363PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells cDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1889..1906  
 FEATURE:  
 NAME/KEY: misc RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3' UTR  
 LOCATION: 857..1906  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..856  
 US-08-809-494A-3  
 Alignment Scores  
 Pred. No.: 2.04e-60  
 Score: 594.50  
 Percent Similarity: 44.17%  
 Best Local Similarity: 44.17%  
 Mismatches: 70  
 Query Match: 45.07%  
 DB: 2  
 Gaps: 6

US-09-898-554-14 (1-247) × US-08-809-494A-3 (1-1906)

1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSecCysGly 20  
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 21 LysLysProLys 24  
 92 AAGACGCAAAGGTACTACGGTTGGCTCTGGGGTGTACCTGCTGCTGCTG 151  
 25 ---:-----:-----:-----:-----:-----:-----:-----:-----:-----:  
 GluGlu 26  
 152 ACTCTAGGGTCCCTGTCGGATTACTGGTGTATATGTTGATACTGCAATT 211  
 27 SerGlnArgGluLeuLysGlyLysLeuAspGluIleSer 46  
 212 TCCCG---:-----:-----:-----:-----:-----:-----:-----:  
 47 LysGluGlnGluGluLeu----GlnMetIleGlnAsnLeuGlnGluIleGln 64  
 254 ACTCACAGGAGATATCCGGAGACAT 298  
 65 ArgGluAlaLysSerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrIeu 84  
 299 CGATCGAAAAAATGCCCGAGGTACAGAACATCAAGAAACTGATAAACCTCT 358  
 85 ThrLeuLysLeuAsnGluLysSerIleGluGlnLysAspGlnAsn 104  
 359 GCCACACAGCTGGATCGAGAAATCAAGAAACTAATGGAACCTGCTGAT 418  
 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspProIeu 124  
 419 CTCAGAAAGTTCTGAAGAGCCAAACTATCGGTCTTCGCCAAAGACTGGCTC 478  
 125 TrpHisLysGluAsnCysteLeuIle---HisGlyProGlyTrpGluIleAsnAspArg 143  
 479 TGGCATGAAAGAAACTGTACATTGCTTACCAATTCTCTCGCTCTTTAAATGGAAAAAAAGCCAG 538  
 144 GluThrCysGinSerIeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThr 163  
 539 GAGAACTGCTGTGCTTGGATGCCAACITGCTGAAGATTAATGACATGAA 598  
 164 PheIleLeuGlnAlaLeSerHisthrThrSerProPheTrpIleGlyIleHisArgLys 183  
 599 TTCACTCAGCAAAATGATTGCCCATTCAGTTGCCATTGCTGGATGGGTGTCATGAGG 658  
 184 LysProGlyGlnProPheLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhenPhelys 203  
 659 AACCCCCAAATACTCTGTTGAGATGGAGATGGTACTCTTGAGGCCCAACTCTTACA 718  
 204 ThraGlyValSerIeuGlnLeuItyrSerSerSerAsnCysAlaTyroLeuGlnAspGly 223  
 719 ATTACGGAGCTGTTCCCGTATGATCCCTCAGGGACCTGTGGATATAATCAAGGGGA 778  
 224 AlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysIleThrAsn 243  
 779 ACTGTTTGTGAAAATGATTTAACTGCAATTCACTGCAATTCACTGCAATTGCAAT 818  
 244 HisLeuGln 246  
 839 CTATCGAGA 847

CITY: New York  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10016-2391  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/352,302  
 FILING DATE: 12-JUL-1999  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 6-321705  
 FILING DATE: 30-NOV-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 7-214206  
 FILING DATE: 31-JUL-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Goldberg, Jules E.  
 REGISTRATION NUMBER: 24408  
 REFERENCE DOCKET NUMBER: JG-YY-43363PCT/D  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212 986-4090  
 TELEFAX: 212 818-9479  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1906 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Bos taurus  
 TISSUE TYPE: Vascular endothelial cells  
 IMMEDIATE SOURCE:  
 LIBRARY: Bovine aortic endothelial cells cDNA  
 CLONE: pBLOX-1  
 FEATURE:  
 NAME/KEY: polyA site  
 LOCATION: 1889..1906  
 FEATURE:  
 NAME/KEY: misc RNA  
 LOCATION: 1864..1873  
 OTHER INFORMATION: /function= "PolyA Signal"  
 FEATURE:  
 NAME/KEY: 5' UTR  
 LOCATION: 1..34  
 FEATURE:  
 NAME/KEY: 3'UTR  
 LOCATION: 857..1906  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 35..856  
 US-09-352,302-3

Alignment Scores:  
 Pred. No.: 2,046,-00  
 Score: 594.50  
 Percent Similarity: 57.95%  
 Best Local Similarity: 44.17%  
 Query Match: 45.07%  
 DB: 3  
 Gaps: 6

RESULT 6  
 US-09-352,302-3  
 ; Sequence 3, Application US/09352302  
 ; Patent No. 6197937  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sawamura, Tatsuya  
 ; ADDRESS: Masaki, Tomoo  
 ; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
 ; TITLE OF INVENTION: Receptor  
 ; NUMBER OF SEQUENCES: 8  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: McNaul, Fisher Nissen Goldberg & Kiel  
 ; CONNEX: 251 Main Street, Suite 1000, New York, NY 10016  
 ; DB: 35 ATGACTGTTGTGAAAATGATTTAACTGCAATTCACTGCAATTGACCGATCACT

ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/688,342  
 FILING DATE: Filed Herewith  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PP-0095-1 CIP  
 TELECOMMUNICATION INFORMATION:  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 990 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 IMMEDIATE SOURCE:  
 LIBRARY: MMLR1DT01  
 CLONE: 515847  
 US-08-688-342-2

Alignment Scores:  
 Pred. No.: 3,278-20  
 Score: 251.00  
 Percent Similarity: 60.16%  
 Best Local Similarity: 35.16%  
 Query Match: 19.03%  
 DB: 2  
 DB: US-09-898-554-14 (1-247) x US-08-688-342-2 (1-990)

Qy 21 LysLysProLys-----  
 Db 92 AAAGACGAAAAGGTACTACGGTTCTGGATTACTGGTGAATGTTCTCTGGTGTGACCTGCTGTCGCTG 151  
 Qy 25 -----GluGlu 26  
 Db 152 ACTCTAGGGCTCTTGACTACGGTTCTGGATTACTGGTGAATGTTCTCTGGTGTGACCTGCTGTCGCTG 151  
 Qy 27 SerGlnArgGluLeuLysGlyLysLeuaspThrIleThrArgLysLeuaspGluLysSer 46  
 Db 212 TCCCAAG----GTCTCTGATCTCATTAACAAACAGCAAAATATT 253  
 Qy 47 LysGluGlnGluGluLeuLeu-----GlnMetIleGlnAsnLeuGlnGluAlaLeuGln 64  
 Db 254 ACTCACCAGGAAGATACTGCAAGGGAGAAGATTTA-----GCCAGCGC 298  
 Qy 65 ArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu 84  
 Db 299 CGATCAGAAAATCTCCACAGGTACAGAGAACCTCAAAGAAATGATAGAAACCCRT 358  
 Qy 85 ThrLeuLysLeuAsnGluLysSerLysLeuGlnLysLeuGlnAsnGlnAsn 104  
 Db 359 GCCCACAGCTGGATGGAATTCAGAAACTCAAGAAACTATGGAACCTCAGCAGAACCTGAT 418  
 Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheserGlyProCysProGlnAspPtpLeu 124  
 Db 419 CTCCAAGAAGTCTGAAAGGCAGCAAACTTACAGTCCCTGTCAAGACTGGCTC 478  
 Qy 125 TrpHisLysGluAsnCysTrpLeuPhe---HisGlyProProGlyLysTrpGluLysAsnArg 143  
 Db 479 TGGCATGAAAGAAAACCTTACCAATTCTCTGGCTCTTTTAATGGAAAAAGCCAG 538  
 \* 144 GlnThrLysGlnSerLeuGlyGlyGlnLeuLeuGlnLeuGlnLeuThr 163  
 Db 539 GAGAACTGCTGCTGCTGGATGCCACTGTGCAAGATTAATGCAAGATGAACTGGAA 598  
 Qy 164 PheIleLeuGlnAlaIleSerHisThrSerProPheTrpIleGlyLeuHisArgLys 183  
 Db 599 TTATCGCAATGATTGCCCCATTGCTTCTGATGGTTGTCATTGAGG 658  
 184 LysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnHeGlnPheHeLys 203  
 Db 659 AAACCCATTACTCGTGCCTGGAAAGATGTACTCTTCTGCGCCCACTTGTGTTGA 718  
 Qy 204 ThrArgGlyValSerLeuGlnLeuThrSerSerSerAspLysLeuGlnAspGly 223  
 Db 719 ATTCAGGGAGCTGTTCCCTATGATCTGCTTCAAGGACCTGCGCATATATICAAGGGGA 778  
 Qy 224 AlavaIpheAlaGluAsnCysLileLeuIleAlaPheSerLysIleCysGlnLysLysThrAsn 243  
 Db 779 ACTGTTTGTGAAACTGCATTAACTGATTATGCTATTGTCAAAGGAGCCAT 838  
 Qy 244 HisLeuGln 246  
 Db 839 CTATTGAGA 847

RESULT 7  
 US-08-688-342-2  
 GENERAL INFORMATION:  
 Sequence 2, Application US/08688342  
 Patent No. 5871964  
 APPLICANT: Au-Young, Janice  
 APPLICANT: Cocks, Benjamin G.  
 APPLICANT: Goli, Surya K.  
 APPLICANT: Hillman, Jennifer L.  
 TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: US

RESULT 8  
 US-09-113-788-2  
 Sequence 2, Application US/09113788  
 Patent No. 5959104  
 GENERAL INFORMATION:  
 APPLICANT: Au-Young, Janice  
 APPLICANT: Cocks, Benjamin G.  
 APPLICANT: Hillman, Jennifer L.  
 TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: US

APPLICANT: Golini, Surya K.  
 APPLICANT: Hillman, Jennifer L.  
 TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
 NUMBER OF SEQUENCES: 5  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: US  
 ZIP: 94104  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/113,788  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/668,342  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0095-1 CIP  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 990 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 IMMEDIATE SOURCE:  
 LIBRARY: MMURIDTO1  
 CLONE: 515847

US-09-113-788-2

Alignment Scores:

Pred. No.:	Score:	Percent Similarity:	Best Local Similarity:	Query Match:	DB:
116	3.27e-20	25.100	60.16%	19.03%	2
285	251.00	32	35.16%	2	

US-09-898-554-14 (1-247) x US-09-113-788-2 (1-990)

Qy 116 SerGlyProCysProGlnAspPLeuThrPheHisGly 135  
 Db 285 TCCAGCCCTTGCTCTCTAAATTGGATATATGAGAGCTGTATTCAGCATG 344

Qy 136 ProPhe---GlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeu 154  
 Db 345 TCACTAATTCCGGATGAAAGACATGTGGACTGCTPAATCCTCA 404

Qy 155 GlnIleAsnGlyAlaAspAspLeuThrPheIleLeu--GlnAlaLeuSerHisthThr 173

Db 405 AAGATAGACAGCTAACATGAATTGGATTATAAGTAAACAGTGTCTCCAAACCTGAT 464

Qy 174 SerProPheTriPheGlyLeuHisArgLysLysProPheLeuPheAsn 193  
 Db 465 AATTCAATTGGATAGCCCTCTGCCAGACTGAGTACCATGGCTCTGGAGGAT 524

Qy 194 GlyThrProLeuAsnProGlnPhePheLeuThrArgLysValSerIeuYrSer 213  
 Db 525 GATCACATTCCTCTTAACTTATTCAGAACCAAGCTACCCAGAAAACCCA 584

Qy 214 SerSerAsnCysAlaTyrlLeuGlnAspGlyAlaAlaPheAlaGluAsnCysIleLeuIle 233

Db 585 TCTCGAAATTGTTATGGATTCA CGGTGTCAGTCATTATGACC AAC TGTGTTAGTGAGCCC 644  
 Qy 234 AlaphaSerIeuCysGlnLysLys 241  
 Db 645 TCATATAGTATTGAGAGAAG 668

RESULT<sup>9</sup>  
 US-09-016-434-804  
 Sequence 804, Application US/09016434  
 Patent No. 6500938  
 GENERAL INFORMATION:  
 APPLICANT: Janice Au-Young  
 Jeffrey J. Seilhamer  
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
 NUMBER OF SEQUENCES: PATHWAY GENE EXPRESSION  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
 STREET: 3174 PORTER DRIVE  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/016,434  
 FILING DATE: HEREBWITH  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Zeller, Karen J.  
 REGISTRATION NUMBER: 37,071  
 REFERENCE/DOCKET NUMBER: PA-0002 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650) 855-0555  
 TELEFAX: (650) 845-1166  
 INFORMATION FOR SEQ ID NO: 804:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 990 base pairs  
 TYPE: nucleic acid  
 SPANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: MMURIDTO1  
 CLONE: 515847

US-09-016-434-804

Alignment Scores:

Pred. No.:	Score:	Percent Similarity:	Best Local Similarity:	Query Match:	DB:
116	3.27e-20	251.00	60.16%	19.03%	2
285	251.00	32	35.16%	2	

US-09-898-554-14 (1-247) x US-09-016-434-804 (1-990)

Qy 116 SerGlyProCysProGlnAspPLeuThrPheHisGly 135  
 Db 285 TCCAGCCCTTGCTCTCTAAATTGGATATATGAGAGCTGTATTCAGCATG 344

Qy 136 ProPhe---GlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeu 154  
 Db 345 TCACTAATTCCGGATGAAAGACATGTGGACTGCTPAATCCTCA 404

Qy 155 GlnIleAsnGlyAlaAspAspLeuThrPheIleLeu--GlnAlaLeuSerHisthThr 173

Db 405 AAGATAGACAGCTAACATGAATTGGATTATAAGTAAACAGTGTCTCCAAACCTGAT 464

Qy 174 SerProPheTriPheGlyLeuHisArgLysLysProPheLeuPheAsn 193  
 Db 465 AATTCAATTGGATAGCCCTCTGCCAGACTGAGTACCATGGCTCTGGAGGAT 524

Qy 194 GlyThrProLeuAsnProGlnPhePheLeuThrArgLysValSerIeuYrSer 213  
 Db 525 GATCACATTCCTCTTAACTTATTCAGAACCAAGCTACCCAGAAAACCCA 584

Qy 214 SerSerAsnCysAlaTyrlLeuGlnAspGlyAlaAlaPheAlaGluAsnCysIleLeuIle 233

405 AAGATAGCAGCTCAAATGAAATTGGATTATACTAACAGTGTCTCCAACCTGAT 464  
 Db 405 GACAACCTCTATCAAGAAATAAGAGAACCAAGCCACAGAAATCATCTTAGATGAG 99  
 Qy 174 SerProPheTrpIleGlyLeuLysArgIysLysProGlyGlnProPrlPheLysGluAsn 193  
 Db 102 AsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaLaaasnPheserGlyProCysProGln 121  
 Qy 165 AATTCAATTGGATAGCGCTTTCGCCAGACTGGGTTACATGCTCGGAGGAT 524  
 Db 100 AAGGTGGCTCCCTCCAGGATCCAACTACAGGAGGTTCAGTCAGTCAGTCCTCCT 159  
 Qy 194 GlyThrProLeuAsnPheGlnPhePheAlaSerLysSerLysLeuGlnLeuTyrSer 213  
 Db 122 AspTroleutPrphIleSgluAsnCystYleuPhe---HisGlyProPheGlyTrpGlu 140  
 Qy 160 AATGGATCATGATGGAAAGCTGGTTACTTATGCTCTCAGAAATTCTCTGAT 219  
 Db 160 AATGGATCATGATGGAAAGCTGGTTACTTATGCTCTCAGAAATTCTCTGAT 219  
 Db 525 GGATCAAATCTCTCTTAACATTAGATCAGAACAGCTACCAAGAAAACCA 584  
 Qy 141 LysAsnArgGlnThrCysGlnSerIeuGlyGlyGlnLeuLeuGlnLeuAsnGlyAlaAsp 160  
 Db 220 GGAAGTAGAGAACACTGCTCCACGGTAGGTCTCATCTGAAGTAGACAACCTAAAA 279  
 Db 161 AspLeuThrPhalLe---LeuGlnAlaLeuSerIthrThrSerProPheTrpIleGly 179  
 Qy 220 LeuHisargLysProGlyGlnProTrpIleutPheGlyTrpGluAsnGlyThrProLeuAsnPhe 199  
 Db 280 GAATTGAGTCACTGAAAGCCAAGATCGTCTCACCGTTATTGATCATTTGGATAGGC 339  
 Qy 340 CTTTCCGCAATCAGACTGAGGCTATGGTTCTGGAGGAGTGTAGCATGGATTCTCCCC 399  
 Db 200 GlnPhePheLysThrArgGlyValSerLeuGlnLeuLeuTyrSerSerAsnCysAlaTyr 219  
 Db 400 AACCTCGTTCTCAAGTCAGAATACAGTCCCAAGAAAGCTACTGACAAATGTGTATGG 459  
 Qy 220 LeuGlnAspGlyAlaValPhoAlaGluAsnCysIleLeuIeAlaPheSerIleCysGln 239  
 Db 460 ATTCAATGGATCAGGGTCTACAACTGAAATCTCACAGTATCTCATACAGTATCTGTGAG 519  
 Qy 240 LysLys 241  
 Db 520 ARGAA 525

RESULT 11  
 US-08-772-440-7  
 Sequence 7, Application US/08772440  
 ; Patent No. 6046158  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ariizumi, Kiyoshi  
 ; APPLICANT: Takashima, Akira  
 ; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
 ; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
 ; TITLE OF INVENTION: THEREOF  
 ; NUMBER OF SEQUENCES: 42  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Arnold, White & Durkee  
 ; STREET: P.O. Box 4433  
 ; CITY: Houston  
 ; STATE: Texas  
 ; COUNTRY: USA  
 ; ZIP: 77210  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patient Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/772,440  
 ; FILING DATE: CONCURRENTLY HEREWITH  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Parker, David L.  
 ; REGISTRATION NUMBER: 32,165  
 ; REFERENCE/DOCKET NUMBER: UTXD:493  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 512/418-3000  
 ; TELEFAX: 512/474-7577  
 ; INFORMATION FOR SEQ ID NO: 7:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 528 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 US-08-772-440-7

Alignment Scores:  
 Pred. No.: 2.88e-18 Length: 528  
 Score: 231.00 Matches: 50  
 Percent Similarity: 47.53% Conservative: 27  
 Best Local Similarity: 30.86% Mismatches: 83  
 Query Match: 17.51% Indels: 2  
 DB: 3 Gaps: 2

US-09-898-554-14 (1-247) x US-08-772-440-7 (1-28)

Qy 82 AspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuGlnLys 101  
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SEQUENCE CHARACTERISTICS:  
 LENGTH: 2298 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single







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protein - nucleic search, using frame\_plus\_p2n model

on: December 19, 2003, 00:30:56 ; Search time 323 Seconds  
 (without alignments)  
 2548.156 Alignment cell updates/sec

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Perfect score:	1319
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Scoring table:	Xgapop 10.0 , Xgapext 0.5 Ygapop 10.0 , Ygapext 0.5 Fgapop 6.0 , Fgapext 7.0 Delop 6.0 , Delext 7.0
Searched:	2211978 seqs., 1666101734 residues
Total number of hits satisfying chosen parameters:	4423956
Minimum DB seq length: 0	
Maximum DB seq length: 2000000000	
Post-processing: Minimum Match 0%	
Maximum Match 100%	
Listing first 45 summaries	

Command line parameters:

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  -SPOOL=/cn2.1/UPTO_spool//US09898554/runat_18122003_135012_18546/app_query.fasta_1.391
  -SUFFIX=_runat_18546/app_query.fasta_1.391
  -MINMATCH=0.1
  -LOOPCFL=0 -LOOPCLS=0 -UNITS=G-bits -START=1 -END=1 -MATRIX=blosum62
  -TRANS-human40.cgi -LIST=45 -DOALIGN=20 -THR_SCORES=PCT THR_MAX=100
  -HR_MIN=0 -ALIGN=15 -MODE=LOCAL -PROTO=ext -HEAPSIZE=500 -MINLEN=0
  -MAXLEN=20000000000 -USER=US09898554 -OUTTEMP=1 -CGN=1.1.221 @runat_18122003_135012_18546
  -ICPU=6 -ICPU=3 -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSBLOCK=1.0
  -LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPPOP=10 -XGAPEXT=0.5
  -GAPPOP=6 -FGAPEXT=7 -YGAPEXT=10 -YGAPEXT=0.5
  -DELETEP=6
  
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## ATTACHMENTS

RESULT 1  
US-09-898-554-13  
/ Sequence 13, Application US/09898554-13  
/ Publication No. US20030066673A1  
/ GENERAL INFORMATION:  
/ APPLICANT: TALL, ALAN R  
/ APPLICANT: WELCH, CARRIE L  
/ APPLICANT: LIANG, CHIEN PING  
/ TITLE OF INVENTION: ATHEROSCLEROSIS  
/ TITLE OF INVENTION: SUSCEPTIBILITY  
/ FILE REFERENCE: 0575 64077  
/ CURRENT APPLICATION NUMBER: US/09/8  
/ CURRENT FILING DATE: 2001-07-02  
/ NUMBER OF SEQ ID NOS: 40  
/ SOFTWARE: Patentin version 3.1  
/ SEQ ID NO 13  
/ LENGTH: 744  
/ TYPE: DNA  
/ ORGANISM: Murinae gen. sp.  
/ FEATURE:  
/ NAME/KEY: CDS  
/ LOCATION: (1)..(744)  
/ OTHER INFORMATION:  
/ NAME/KEY: misc feature

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Published Applications NA:*
1: /cgn2_6/picodata/2/pubpna/us07_N
2: /cgn2_6/picodata/2/pubpna/pctr_N
3: /cgn2_6/picodata/2/pubpna/us07_
4: /cgn2_6/picodata/2/pubpna/us07_
5: /cgn2_6/picodata/2/pubpna/us07_
6: /cgn2_6/picodata/2/pubpna/pctrS
7: /cgn2_6/picodata/2/pubpna/us08_
8: /cgn2_6/picodata/2/pubpna/us08_
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18: /cgn2_6/picodata/2/pubpna/us60_

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OTHER INFORMATION: Isoform 7  
US-09-898-554-13

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE Locus 1  
TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)

RESULT 2  
US-09-888-554-19 : Sequence 19, Application US/09898554  
; Publication No. US20030068673A1 .  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R.  
; APPLICANT: WELCH, CARRIE L.  
; APPLICANT: LIANG, CHIEN-PING



GENERAL INFORMATION:  
 APPLICANT: TERNAN, David S  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
 FILE REFERENCE: 751708  
 CURRENT APPLICATION NUMBER: US 09/751,708A  
 CURRENT FILING DATE: 2002-10-15  
 PRIORITY DATE: 1999-12-28  
 NUMBER OF SEQ ID NOs: 166  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 141  
 LENGTH: 3763  
 TYPE: DNA  
 ORGANISM: *Mus musculus*  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION (48): (1139)  
 OTHER INFORMATION:  
 US-09-751-708A-141

Alignment Scores:  
 -Pred. No.: 2.17e-138 Length: 3763  
 Score: 1241.00 Matches: 245  
 Percent Similarity: 67.49% Conservative: 0  
 Best Local Similarity: 67.49% Mismatches: 2  
 Query Match: 94.09% Indels: 116  
 DB: 13 Gaps: 1

US-09-898-554-14 (1-247) x US-09-751-708A-141 (1-3763)

DY 1 MethrpheaspasplsmetlysproAlaAspGluProLysGlnLysserCysGly 20  
 DDB 4B ATGCCTTGTGCAAGTGCAAGTGAACCTGGCTGAGCTGATCGAAGTCATGTGGC 107

DY 21 LyslysProlys-----  
 DDB -108 AAGAGCCAAAGCTTAAAGCTCTGGATTGCTGGTTCTCCCATGGTCTCTGTACTGACT 167

DY 24 -----  
 DDB 168 CTGGTCATCTCTGCCCTGGTTCTGACGCCCTATTGTACAGTGGACAAGATTACGC 227

DY 24 -----  
 DDB 228 CAGGTATCTGACCTCTAAAACAATACCAAGCGAACCTTACTCAGCAGGATGTATCCTG 287

DY 24 -----  
 DDB 288 GAAGGGCAATGTAGCCCCAGCAAGGGAGAAAACGTTCAAGGATCAAGAGGAA 347

DY 24 -----  
 DDB 348 CTGAAAGGGAAAGATAAGACCCCCTCACCCAGAAGCTGAAATCCAAGAGCACGAG 407

DY 24 -----  
 DDB 408 GAGCTTCTACAGAAAGAAATCAGAACCTCCAGGluLeuGlnSerLysLeuArgLysLeuAspGlu 467

DY 25 GluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysIleAspGlu 44  
 DDB 468 GAGGAGTCAGAGAGAACTCAAGGGAAAGATAGACCATATCCCGAAGCTGGAGGAG 527

DY 45 LysSerLysGluGlnGluLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGln 64  
 DDB 528 AAATCCCAAAGAGCAGGAGGAGCTCTGAGATTCAGAACCTCCAGAGCAGCCCTGAG 587

DY 65 ArgAlaAlaAsnSerSerLysGluSerLysGlnArgGluLeuLeuGlnLysAsnGlnAsn 104  
 DDB 588 AGGGCTGC2AACTCTTCAGGGTCTCCAGAGGAAGCTAACGGAAAGATGACACCTC 647

DY 85 ThreleuLysLeuAsnSerLysGluSerLysGlnGluGluLeuLeuGlnLysAsnGlnAsn 104  
 DDB 648 ACCCTGAACTGTAACGAGCAAGAGAAATCCAAAGAGCAGGAGCTCTACAGAGATCAGAA 707

QY 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPhesArgLysProCysProGlnAspTrpLeu 124  
 Db 708 CTCCAGAAAGCCTGGAAAGCTGGAAACTTTCTGGCAGTCACAGACTGGCTC 767  
 QY 125 TrpHisLysGluAsnCystYleLeuPheHeIsglyProCysPheGlyTrpDoluysAsnArgGln 144  
 Db 768 TGGCATAAAGAAAAGCTGTACTCTTCCATGGCCCTTAGCTGGAAAAAACCGCAG 827  
 QY 145 ThrCysGlnSerIeuglyGlyGlnIeLeuGlnIeAsnGlyAlaAspAspLeutRhe 164  
 Db 828 ACCTRGCCAATCTTGCTGGCACTGACTACAAATTATGTGCACATGATTGACATTTC 887  
 QY 165 IleLeuGlnAlaLeuSerHisIhrthrSerProphtrpIleGlyLeuHisArgLysLys 184  
 Db 888 ATCTTACAAGGAAATTCCATACCACCTCCCGTCTGGATGGATGCTGGANGAAG 947  
 QY 185 ProGlyGlnProTrpIleTrpGluAsnGlyThrProLeuAsnPhenGlnPhePheLysThr 204  
 Db 948 CCTGGCAAACCATGGCTATGGAGAATGGAACTCTTGAAATTCTTAAATCTTAACT 1007  
 QY 205 ArgGlyValSerIeuglyIeLeuTySerSerSerAspCysAlaTyzLeuGlnAspGlyAla 224  
 Db 1008 AGGGGCCCTTCCTTACAGCTATTGTCATACTTCAGCCAACCTGTGCATACTTCAGCAGGAGCT 1067  
 QY 225 ValpheAlaGluAsnCysIleLeuIeLeaIapheSerIleCysGlnLysThrAspHis 244  
 Db 1068 GTGTTGGCTGAAACTGCATTCATTAATGCAATGCTAGGATATGTCAGAGAGACAATCAT 1127  
 QY 245 LeuGlnIle 247  
 Db 1128 TTGCAATT 1136

RESULT 5

US-09-898-554-12

; Sequence 12, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R.

; APPLICANT: WELCH, CARRIE L.

; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION NUMBER: US/09/898,554

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 12

; LENGTH: 1192

; TYPE: DNA

; ORGANISM: Murinae gen. sp.

; FEATURE: misc\_feature

; OTHER INFORMATION: M-Isoform 1

US-09-898-554-12

Alignment Scores:

Pred. No.:	Score:	Length:	Matches:	Conservative:
1.44e-135	121.50	1192	245	0
	61.71%		Mismatches:	2
			Indels:	150
			Gaps:	1

US-09-898-554-14 (1-247) x US-09-898-554-12 (1-1192)

QY 1 MetThrPheAspAspIysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20

Db 1 ATGACTTTGTGACAGATAAGCCCTGGATGAGCAGGCTGATCAGAAAGTCATGGC 60

QY 21 LysLysPro-Lys

Db 61 AAGAAGCCAAAGGCTCTGGATTGCTTTCCTCCATGGTTCCCTGCTGTATGACT 120  
 Qy 24 ----- 24 ----- 24 -----  
 Db 121 CTGGTCATCCTCGCTGGTGTCACTGACCTTATGTCAGTGACACCAATTCAGC 180  
 Qy 24 ----- 24 ----- 24 -----  
 Db 181 CAGGTATCTGACCTCTAACACATACCAAGGAACCTTACTCAGACAGTCATCTCG 240  
 Qy 24 ----- 24 ----- 24 -----  
 Db 241 GAAGGCAGATGTTAGCCAGAAGGGAGAAAACACTTCAGGAATCAAAGAAGGAA 300  
 Qy 24 ----- 24 ----- 24 -----  
 Db 301 CTGAAAGGAAAGATAAGACACCCCTCACCCAGAACGAAACTCCAAAGGCAAGG 360  
 Qy 24 ----- 24 ----- 24 -----  
 Db 361 GAGCTTCTACAGAAAGATAAAAGCTGAAAGGAATCCAAGGCAAGGAGGCTTCTAC 420  
 Qy 24 ----- 24 ----- 24 -----  
 Db 421 AGAGAAATCAGAACCTCCAGAACGAAACTCTGAAAGCTGCAAAACTGCC 480  
 Qy 25 ----- 25 ----- 25 -----  
 Db 481 GAA CCTCCAGAACGCCCTGCAAAGGGCTGCAAACACTCTTCAGGGAGTCCCAGAGGAACT 540  
 Qy 31 uLysGlyLysIleAspThrIleThrArgLysIleAspGluLysSerIleGluLysGlu 51  
 Db 541 CARGGAAAGATGACACCATAACCATACCCGAAAGCTGGACAGAAATCCAAAGGAGGGAA 600  
 Qy 51 uLeuLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuAlaAsnSerSerGln 71  
 Db 601 GCTCTGGAGATGATTCAAGAACCTCCAGAACGGCTCTGCAAGAGCTGCAAACCTTCTAGA 660  
 Qy 71 uGluSerGlnArgGluLysGlyLysIleAspThrLeuThrLeuAsnGluLys 91  
 Db 661 GGACTCCAGAGAACTCAAGGAAAGATAAGACCCCTACCTTGAGGCTGAACGGAA 720  
 Qy 91 sSerLysGluGlnIleGluLeuGlnLysAsnGlnAsnLeuGlnGluAlaLeuGln 111  
 Db 721 ATCCAAAGGCCAGGAGCTCTACAGAGGAACTGACCTCCAAAGGCCCTGCAAG 780  
 Qy 111 SAlaAlaAsnPheserGlyProCysProGlnAspTrieuTrpHisLysGluAsnCysTY 131  
 Db 781 AGE GTCAAACTTTCAGTCGCCRTRGTCACAAGAATGAAACTTTA 840  
 Qy 131 rIeuPhahisGlyIproGlyTrpGlyLysAsnArgClnTrpCysGlnSerLeuGlyG 151  
 Db 841 CCTCTCTTCACTGGCCCTTTAGCTGGAAAAACCGGGAGACCTGGCAATCTTGGTGG 900  
 Qy 151 yGlnLeuLeuGlnIleAsnGlyAlaAspAspIleThrPhelLeuGlnAlaLeuGln 171  
 Db 901 CGGTAACTACAAATTAACTGGTCAGATGATCTGACATTCACTTAAGCAATTCCA 960  
 Qy 171 sThrThrSerProProHypThrPheIleuAsnAspGlnProIleuLeuGlnProIleuLeu 191  
 Db 961 TACACCTCCCCATTCTGGATGGATGTCATGGAAAGCTGGCAACCATGGCATG 1020  
 Qy 191 pGluAsnGlyIleuAsnAspGlnProIleuAsnAspGlnPhePheLysThrAspGlyLysIleuAsn 211  
 Db 1021 GGAAATGGAACCTCTTCAATTCTTAACTGGCCCTTCTTACGGCT 1080  
 Qy 211 uTyrSerSerSerAsnGlySalATyrLeuGlnAspGlyAlaValPheAlaGluAsnCysS 231  
 Db 1081 ATATTCACTGGAAACCTGTCATCTCAAGCAGGAGCTGTTCTGAAACTCCAT 1140  
 Qy 231 eleuIleAlaIleAspSerIleCysGlnLysIleAspIleuLeuGlnIleAspThrLeu 247  
 Db 1141 TCTAATGCAATCAGATATGTCAGAAAGACAATCATTTGCAATT 1189

RESULT 6  
 US-09-898-554-11  
 / Sequence 11, Application US/09899554  
 / Publication No. US20030068673A1  
 / GENERAL INFORMATION:  
 / APPLICANT: TALL, ALAN R  
 / APPLICANT: WELCH, CARRIE L  
 / APPLICANT: LIANG, CHIEN-PING  
 / TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHE  
 / TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 / FILE REFERENCE: 0575/64077  
 / CURRENT APPLICATION NUMBER: US/09/898,554  
 / CURRENT FILING DATE: 2001-07-02  
 / NUMBER OF SEQ ID NOS: 40  
 / SOFTWARE: PatentIn version 3.1  
 / SEQ ID NO: 11  
 / LENGTH: 1092  
 / TYPE: DNA  
 / ORGANISM: Murinae gen. sp.  
 / FEATURE:  
 / NAME/KEY: misc feature  
 / OTHER INFORMATION: B-Isotype 1  
 / US-09-898-554-11  
 Alignment Scores:  
 Pred. No.: 8.65e-127 Length: 1092  
 Score: 1138.00 Matches: 232  
 Percent Similarity: 64.67% Conservative: 6  
 Best Local Similarity: 63.04% Mismatches: 4  
 Query Match: 86.28% Indels: 126  
 DB: 11 Gaps: 4  
 US-09-898-554-14 (1-247) x US-09-898-554-11 (1-1029)  
 Qy 1 Meth-PhenylAspIleuAsnGluIleuAspGlnLysSerCysGly 20  
 Db 1 ATGACTTTTGATGAGAGATGAGCTGCAATGAGCTGATCTGATCTGGC 60  
 Qy 21 LysLysProLys 24  
 Db 61 AAAGAACCTAAAGGTGATTTGCTTCTTCCATGGTGTCTCTGTCTATGACT 120  
 Qy 24 -----  
 Db 24 -----  
 Db 121 CTGGTCATCCTCTGGCTGGTTGCACTGACCTTATTGTAAGTGGACAAATTACGC 180  
 Qy 24 -----  
 Db 181 CAGGTATCTGACCTCTTAAACATATCCAAGGAACTTACTCAGCAGGATCTGATCTCTG 240  
 Qy 24 -----  
 Db 301 CTGAAAGGAAAGATGACACCCATGGCAAGGAACTTACCTTACAGAAATCCAAAGGAGGGAA 360  
 Qy 24 -----  
 Db 361 GAGCTCTTACAGAAAGATCAGAAACCTCCAGGAAAGCTGCAACGCTTCA 420  
 Qy 25 GluGluSerGlnArgGluLeuLysGlyIleuAspIleuLeuGlnLeuAspGlu 44  
 Db 421 GAGGAGTCCAGAGAACTGCAAGGAACTGCAAGGAACTGCAACCTTCA 480  
 Qy 45 LysSerLysGluGluGluLeuLeuGlnMetIleGlnAsnLeuGlnAlaLeuGln 64  
 Db 481 AAATCCAAGGCAAGGGCTGTCAGATGATTCAAGCAGCTTCAAGAAG 84  
 Qy 65 ArgAlaAlaAlaSerSerGluGluSerGlnArgGluLeuLysIleAspThrLeu 84

US-09-898-554-14 (1-247) x US-09-898-554-15 (1-606)

DDB	541	AGAGCTGAAACTCTAGAGGTCCAGAGAAGACTCAAGGAAAGATAGACACCCTC	600
Qy	85	ThrLeuLysLeuAsnGluLysSerLysGluGlnGluGlnLeuLeuGlnLysAsnGlnAsn	104
DDB	601	ACCTGTAAAGCTGAACGAAATCCAAAGGAGCTCTCACAGAAATCAGAAC	660
Qy	105	LeuGlnGluAlaLeuGlnArgAlaAlaAsnLysSerGlyProGlnAspTlleu	124
DDB	661	CTCCAAAGGCCCTGCAAAGGCTGCAACTTTCAGGCTCTGTCACAGACTGGTC	720
Qy	125	TrpHisLysGluAsnCystYleLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln	144
DDB	721	TGGATAAAGAAAATCTGTACCTCTTCAAGGCCCTAGTGCGAAAAACCGCGAG	780
Qy	145	ThrCysGlnSerLeuGlyGlnLeuGlnLeuAsnGlyAlaAspAspLeuThrPhe	164
DDB	781	ACCTGCACATCTGGTGGCCAGTTACTACAAATTAACTGGCAGATGATCTGACATC	840
Qy	165	IleLeuGlnAlaIleSerHisthrSerProPhePheGlyLeuGlyLeuGlnArgLys	184
DDB	841	ATCTTACAGAAATTCCATACCCCTCCGTTGATGGATTGATGGCATGGAAAGAAG	900
Qy	185	ProGlyGlnProProLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr	204
DDB	901	CCTGGCCAAACCTGGTGGATGGAGATGGAACTCCTTGAATTCTTAACTGAGC	960
Qy	205	ArgGlyValSerSerLeuGlnLeu-----Ty-SerSerAsnCysSerAlaTyLeu	220
DDB	961	AGGGCGCTTCCTTACAGGCTACTCTTACAGGCTACTCTTAATGCAATTGTCAG	1065
Qy	221	GlnAspGlyAla---ValPheAlaGluAsnCysSerLeuLeuAlaSerLeuGln	239
DDB	1006	AGACCAAGGGGGCTTCTTACAGCTAAACTGCATTCATTGCAATTGTCAG	1065
Qy	240	LysLysThrAsnHisLeuGlnIle247	
DDB	1066	AAGAGACAATCATTGCAATT	1089
RESULT 7			
US-09-898-554-15			
; Sequence 15, Application US/09898554			
; GENERAL INFORMATION:			
; Publication No. US20030068673A1			
; APPLICANT: TALL, ALAN R			
; APPLICANT: WELCH, CARRIE L			
; APPLICANT: LIANG, CHIEN-PING			
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROS			
; FILE REFERENCE: 0575/64077			
; CURRENT APPLICATION NUMBER: US/09/898,554			
; CURRENT FILING DATE: 2001-07-02			
; NUMBER OF SEQ ID NOS: 40			
; SOFTWARE: PatentIn version 3.1			
; SEQ ID NO: 15			
; LENGTH: 606			
; TYPE: DNA			
; ORGANISM: Murinae gen. sp.			
; FEATURE:			
; NAME/KEY: CDS			
; LOCATION: (1)..(606)			
; OTHER INFORMATION:			
; NAME/KEY: misc feature			
; OTHER INFORMATION: Isoform 8			
; US-09-898-554-15			
Alignment Scores:			
Prd. No.:	2.01e-117	Length:	606
Score:	1057.00	Matches:	199
Percent Similarity:	80.57%	Conservative:	0
Best Local Similarity:	80.57%	Mismatches:	2
Query Match:	80.14%	Indels:	46
DB:	11	Gaps:	1
RESULT 8			
US-09-898-554-28			
; Sequence 28, Application US/09898554			
; Publication No. US20030068673A1			
; GENERAL INFORMATION:			
; APPLICANT: TALL, ALAN R			
; APPLICANT: WELCH, CARRIE L			
; APPLICANT: LIANG, CHIEN-PING			
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROS			
; FILE REFERENCE: 0575/64077			
; CURRENT FILING DATE: 2001-07-02			
; NUMBER OF SEQ ID NOS: 40			
; SOFTWARE: PatentIn version 3.1			
; SEQ ID NO: 28			
; LENGTH: 721			
; TYPE: DNA			
; ORGANISM: Murinae gen. sp.			
; FEATURE:			
; NAME/KEY: CDS			
; LOCATION: (1)..(606)			
; OTHER INFORMATION:			
; NAME/KEY: misc feature			
; OTHER INFORMATION: Susceptibility gene locus 2 (ATHSQ2)			
; US-09-898-554-15			

FEATURE: misc feature  
 NAME/KEY: misc feature  
 OTHER INFORMATION: Isoform 6  
 US-09-898-554-28

Alignment Scores:  
 Pred No.: 2.19e-112 Length: 721  
 Score: 10.16.00 Matches: 199  
 Percent Similarity: 85.02% Conservative: 11  
 Best Local Similarity: 80.57% Mismatches: 25  
 Query Match: 77.03% Indels: 13  
 DB: 11 Gaps: 2

US-09-898-554-14 (1-247) x US-09-898-554-28 (1-721)

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Qy  1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLyserCysGly 20
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  1 ATGACTTTGATCACAAATGAGCCCTCGAATGACGCCGATCGAAGTCATGGC 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  21 LysLysProLysGluGluSerGinArgGluLeuLysGlyLysIleAspThrIleThrArg 40
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  61 AAAGAACCTAAA-----GGCTGTGCATTGCTTCTTC 93
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  41 LysLeuAspGluLysSerLysGluGlnGluLeuLysGlnNetI.LysGlnAsnLeuGln 60
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  94 CCATGGTGGTCCCTGCTGCTATGACTCTGGCATCTCTGCTGGTGTGCACTGACC 153
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  61 GluAlaLeuGlnArgAlaAlaAsnSerSerGluGluSerGinArgGluLeuLysGlyLys 80
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  154 CTTATTGTACAGTGG-----ACACATAGAGTCCAGAGAACTCAAGGGAAAG 204
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  81 IleAspThrLeuThrLeuLysIleAsnGluLysSerLysGluGlnGluLeuLeuGln 100
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  205 ATAGACACCTCACCTTGAGCTGAACCTGAAATCCAAAGGAGGAGCTTCAG 264
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  101 LysAsnGlnIasnLeuGlnGluAlaLeuGlnArgAlaAlaAsnPhesSerGlyProCysPro 120
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  265 AGAATCAGAACCTCCAGAACGCTGCAAGAGGCTGCAAACCTTTCAGGTCTTGTC 324
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  121 GluAspTrpLeutrrPheIisLysGluAsnCysTyrLeuPheHisGlyProProGlyTTCGlu 140
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  325 CAAGACTGCTTGGATAAGAAAACCTGTTACCTCTCAAGGGCCTTAGCTGGAA 384
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  141 LysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAsp 160
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  385 AAAAACCGCAGAACCTCCAGAACGCTGCAAGAGGCTGCAAACCTTTCAGGTCTTGTC 444
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  161 AspLeuThrPheIleLeuGlnAlaIleSerHisThrSerProPheTrpIleGlyLeu 180
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  445 GATCTGACATTCTACAGCAATTCCATACCCACTTCCGTTGGATTGGATTG 504
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  181 HisArgLysLysProGlyIleSerProPheTrpIleGlyLeuGlnProLeuIleSerHis 200
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  505 CATCGGAAGAACCTGGCAACATTGGCTATGGAGANTGAACTCTCTGGATTCAA 564
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  201 PhePheLysThrArgGlyAlaSerLeuGlnLeuIleSerSerAsnCysAlaTyroLeu 220
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  565 TTCTTTAAGACCCAGGGCTTTCTTACAGCTATATTCATCGCAACTGTGCACTT 624
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  221 GluAspGlyAlaValPheAlaGluAsnCysIleLeuIleLeuPheSerIleCysGlnLys 240
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  625 CARGACGGACT-GTGTCCGCTGAAACTGCATCTATTGCAATTGATCTGAAAG 683
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy  241 LysThrAsnHisIleGlnIle 247
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db  684 AAGACAAATCATTTGCAATT 704
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 

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RESULT 9  
 US-09-917-800A-474  
 Sequence 474, Application US/09917800A  
 Patent No. US20020119462A1  
 GENERAL INFORMATION:  
 APPLICANT: Mendrick, Donna

APPLICANT: Porter, Mark  
 APPLICANT: Johnson, Kory  
 APPLICANT: Castle, Arthur  
 APPLICANT: Blashoff, Michael  
 APPLICANT: Gene Logic, Inc.  
 TITLE OF INVENTION: Molecular Toxicology Modeling  
 FILE REFERENCE: 44921-5038-US  
 CURRENT APPLICATION NUMBER: US/09/917,800A  
 PRIOR APPLICATION NUMBER: US 60/222,040  
 PRIOR FILING DATE: 2000-07-31  
 PRIOR APPLICATION NUMBER: US 60/222,880  
 PRIOR FILING DATE: 2000-11-02  
 PRIOR APPLICATION NUMBER: US 60/290,029  
 PRIOR FILING DATE: 2001-05-11  
 PRIOR APPLICATION NUMBER: US 60/290,645  
 PRIOR FILING DATE: 2001-05-15  
 PRIOR APPLICATION NUMBER: US 60/292,336  
 PRIOR FILING DATE: 2001-05-22  
 PRIOR APPLICATION NUMBER: US 60/295,798  
 PRIOR FILING DATE: 2001-06-06  
 PRIOR APPLICATION NUMBER: US 60/297,457  
 PRIOR FILING DATE: 2001-06-13  
 PRIOR APPLICATION NUMBER: US 60/298,884  
 PRIOR FILING DATE: 2001-06-19  
 PRIOR APPLICATION NUMBER: US 60/303,459  
 PRIOR FILING DATE: 2001-07-09  
 NUMBER OF SEQ ID NOS: 1740  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 474  
 LENGTH: 3750

TYPE: DNA  
 ORGANISM: Rattus norvegicus  
 FEATURE:  
 OTHER INFORMATION: Genbank Accession No. US20020119462A1 AB005900  
 US-09-917-800A-474

Alignment Scores:  
 Pred. No.: 4.69e-106 Length: 3750  
 Score: 972.00 Matches: 192  
 Percent Similarity: 59.56% Conservative: 23  
 Best Local Similarity: 53.19% Mismatches: 30  
 Query Match: 73.69% Indels: 116  
 DB: 10 DB: 10

US-09-898-554-14 (1-247) x US-09-917-800A-474 (1-750)

Qy 1 MetThr-PheAspAspLysMetLysProAlaAsnAspGluProAspGlnLyserCysGly 20
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db 92 ATGGCTTTGATGACAAGATGAACTGCTGTGATGGCAGCTGATCAGAACTATGGC 151
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy 21 LysLysIleAspThrIleAspLysMetLysProAlaAsnAspGluProAspGlnLyserCysGly 20
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db 152 AAGAAAGCTTAAGGGCTGATGAACTGCTGTGATGGCAGCTGATCAGAACTATGGC 151
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy 24 ----- 24
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db 212 CTGGCCATCCPTTGCCTAGTGTGATGACCTTATGGCTCTCTCCACATGGTGTGACT 211
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy 24 ----- 24
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db 272 CAGGTATCTGACCTCCCTAAAGCAATACCAAGCAACCTTACTCAGGAGATCATATCCTG 331
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy 25 ----- 25
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db 332 GAGGGGAGATGTAGCCAGAACGAAAGGCAAAATGCTTCACAGGAACTCAAGGGAA 391
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy 31 LeuLysGlyLysIleAspThrIleAspGluLyserCysGluGlnGlu 50
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Db 392 CTGAAGGAAACGATAGACCCCTACCTGGAGACTAACGAAATTCGAAGGAGGAG 451
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| 
Qy 51 GluLeuLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnSer--- 69
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||





Percent Similarity: 76.92%  
 Best Local Similarity: 71.15%  
 Query Match: 54.81%  
 DB: 11

US-09-898-554-14 (1-247) x US-09-898-554-25 (1-621)

OTHER INFORMATION:  
 NAME/KEY: misc feature  
 OTHER INFORMATION: Isoform 2  
 US-09-898-554-21

	Alignment Scores:	Length:	
Pred. No. :	1.63e-73	773	
Score:	693.00	Matches:	154
Percent Similarity:	60.31%	Conservative:	1
Best Local Similarity:	59.52%	Mismatches:	3
Query Match:	52.54%	Indels:	101
DB:	11	Gaps:	1

US-09-898-554-14 (1-247) x US-09-898-554-21 (1-773)

OTHER INFORMATION:  
 NAME/KEY: misc feature  
 OTHER INFORMATION: Isoform 2  
 US-09-898-554-21

	Alignment Scores:	Length:	
Pred. No. :	1.63e-73	773	
Score:	693.00	Matches:	154
Percent Similarity:	60.31%	Conservative:	1
Best Local Similarity:	59.52%	Mismatches:	3
Query Match:	52.54%	Indels:	101
DB:	11	Gaps:	1

1 MetThrPheAspAspLysMetLysProAlaLysAspGluProAspGlnLysSerCysGly 20  
 2 LysLysProLysGlu------Glu 26

3 AAGAACCTAARGG-TCTGCATTGGTCCCTGCTGCTPATGAC 119

4 SerGlnArgGluLeuLysGly-----LysLileAspThrIleThr 39

5 TCTGGCATCTGCCTTGTTGACTGACTGACCTTATGTGACGGACAAATTACG 179

6 ArgLysIleu-AspGluLysSerLysGluGlnGluLeuLeuGln-MetIle 56

7 CCAGGTCTGACTCTAACTAAATACTAACCAAGGAACTACTACAGGATCGTATCCT 239

8 eGlnAsnLeuGinGluLalaLeuGlnArgAlaAlaAsnSerGluSerGlnArgGln 76

9 uGluLeuLeuGinLysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAsnPhes 116

10 GAGCTCTACAGAGATCACCCACCCTACCCAGAACGCAAAACACTCACAGGAATCAAAGGAGGA 299

11 uLeuLysGlyLysIleAspThrLeuthrLeuthrLeuLysSerLysGluGlnGln 96

12 ACTGAAAGGAAGATAGAACACACCTCACCCAGAACGCAAAACACTCACAGGAATCAAAGGAGGA 359

13 rGlyProCysProGlnAspProLeuthrPhisLysGluAsnCystSerLeuPheHisGlyPr 136

14 AGTCCTGTCCACAACACTGCTCTGCAATAAGAAACTCTTCCATGGCC 479

15 oPheGlyTrpGluLysAsnArgGlnThrCysGlnSerLysGlyLysLeuLeuGlnIle 156

16 CTTAGCTGGAAAAAAACCGCAGACCTGCCAAATCTTGGCTGCCAGTACTAACAAAT 539

17 eAsnGlyAlaAspAspLeuThrPheIleLeuGlnAlaIleSerHisthrThrSerProph 176

18 TAATGGTCAGATGATGACATTCAAGCAATTCTTACACCTCCCCTGTT 599

19 eTrpIleCysLeuHistargLys 183

20 CTGGATGGATGCAAG 621

RESULT 13  
 US-09-898-554-21  
 Sequence 21, Application US/09898554  
 Publication No. US20030068673A1  
 GENERAL INFORMATION:  
 APPLICANT: WELCH, CARRIE L.  
 APPLICANT: LIANG, CHIEN-PING  
 TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1 ) AND ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 ( ATHSQ2 )  
 FILE REFERENCE: 0575/64077  
 CURRENT APPLICATION NUMBER: US/09/898-554  
 CURRENT FILING DATE: 2001-07-02  
 SEQ ID NO: 21  
 LENGTH: 773  
 TYPE: DNA  
 ORGANISM: Murinae gen. sp.  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: (1) .. (174)

RESULT 14  
 US-09-898-554-27  
 Sequence 27, Application US/09898554  
 Publication No. US20030066673A1  
 GENERAL INFORMATION:  
 APPLICANT: TALL, ALAN R.

APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)  
; CURRENT APPLICATION NUMBER: US/09-898, 554  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 712  
; LENGTH: 712  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Isoform 5  
; US-09-898-554-27

Alignment Scores:  
Pred. No.: 1.17e-69 Length: 712  
score: 660.50 Matches: 149  
Percent Similarity: 72.97% Conservative: 13  
Best Local Similarity: 67.12% Mismatches: 23  
Query Match: 50.08% Indels: 42  
DB: 11 Gaps: 6

US-09-898-554-14 (1-247) x US-09-898-554-27 (1-712)

Qy 1 MetThrPheAspAspLysProAlaAsnAspGluProAspGlnLysserCysGly 20  
Db 1 ATGACTTGTAGCAAGATGAACCTGGAAATGACGACCCTATGAGAAGTCATGCGGC 60

Qy 21 LysLysProllysGlu-  
Db 61 AAGAGCCCTAAAGG-TCTGCATTGCTTCTCCCATGGTGTCTCCCTGCTGTGAC 119

Qy 27 SerGlnArgGluLeuLysGly-----LysIleAspThrIleThr 39  
Db 120 TCTGTCATCCTCTGCTCTGCTGTGCTGACTGACCTTATGGTACAGTGACATAATGAT- 178

Qy 40 ArgLysLeuAspGluLysSerIleGluGlnGluLeuLeuGlnAsnLeu 59  
Db 179 CGTATCCTGAAAGGG-----CAGATGTTA----- 202

Qy 60 GlnGluAlaLeuGlnArgAlaAlaAsnSerSerGluGlnArgGluLeuLysGly 79  
Db 203 -----GCCACGAGGCCAGAAAACACTTCAGGATCATCAAAGAACGAACTGAAGGA- 256

Qy 80 LysIleAspThrLeuThrLeuLysLeuGlnGluSerLysGluGlnGluLeuLeu 99  
Db 257 AGATAGACACCCCTACCCAGAACGCTGAGACGAC---TCCDAAGCAGGAGGAA---CTA 310

Qy 100 GlnLysAsnGlnAsnLeuGlnGluAlaAlaAsnPheserGlyProCys 119  
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Qy 120 ProGlnAspPTPLeuThrHisGlyProPheGlyTriP 139  
Db 370 CCACAAAGCTGGCTCTGGCATAAAGAAAAACTGTACCTCTCCATGGGCCATTAGCTGG 429

Qy 140 GluLysAspArgGlnIthrSerLeuGlyGlnLeuGlnIleAsnGlyAla 159  
Db 430 GAAAAGAACGGAGAACCTGCCATTCTGGCTGGCTGTTACTACAATTAATGGTCA 489

Qy 160 AspAspLeuThrPheIleLeuGinAlaLysSerHisthrSerProPheTriPheGly 179  
Db 490 GATGATCTGACATTCTACAGCAATTCCCATACACCTCCCTCTGGATGGA 549

Qy 180 LeuHisArgLysAspGlyGlnProTLeuTrpGluAsnGlyIthrProLeuAspPhe 199  
Db 550 TTGGATCGGAAGAAAGCCCTGGCAA-CCATGGGTATGGGAAATSGACT-TCTTGTGATT 607

Qy 336 CAAGGAACTCAAAGAAATGATGAGAAACTCTTGGCAAGGCTGGATGAAATCCAAA 395

Qy 200 GlnPhe 201

Db 608 AAATTT 613

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US-10-220-511-10  
Sequence 10, Application US/10220511  
Publication No. US20030143226A1  
GENERAL INFORMATION:  
APPLICANT: Kobayashi, Yuko  
APPLICANT: Tsuji, Hiroyuki  
APPLICANT: Kamada, Masafumi  
APPLICANT: Sawamura, Tatsuya  
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND PHARMACEUTICAL USES THEREOF  
FILE REFERENCE: SHIM-017  
CURRENT APPLICATION NUMBER: US/10/220,511  
CURRENT FILING DATE: 2002-12-06  
PRIOR APPLICATION NUMBER: JP P2000-57745  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: JP P2000-333116  
PRIOR FILING DATE: 2000-10-31  
PRIOR APPLICATION NUMBER: PCT/JP01/01636  
PRIOR FILING DATE: 2001-03-02  
NUMBER OF SEQ ID NOS: 15  
SOFTWARE: PatentIn Ver: 2.1  
SEQ ID NO 10  
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LOCATION: (1)..(29)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (30)..(866)  
FEATURE: 3' UTR  
NAME/KEY: (867)..(1514)  
LOCATION: (867)..(1514)  
US-10-220-511-10

Alignment Scores:  
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DB: 13 Gaps: 6

Qy 1 MethR-PheAspASP---LysMetLysProAlaAspGluProAspGlnLysSerCys 19  
Db 42 ATGGCTGTTGAGCCTCANGTCATGCCATGAGGACAGCCATGATCAGAATGCAAT 101

Qy 20 GlyLysLysProLysGluGluSerGlnArgGluLeuLys----- 32  
Db 102 GGAAGAAACCTAA-----GGTCTCCGTTCTCTCTCTCGTGTGTGCCAGCT 155

Qy 33 -----GlyLysIleAspThrIleThrArg----- 40  
Db 156 GCTGTCCTCTGGAGTCCTTGTGCTGGATCATCTGACCATATAATGCTGGGATG 215

Qy 41 -----LysLeuAspGluLysSerLysGluGlnGluLeuLeuGlnMetIleGln 57

Db 216 CAATATTGCAAGGATCTGACCTCTGACCTCTGAAAGCAACGAACTCTACTCGCAGGAG 275

Qy 58 AsnLysLysGlu-----AlaLysGlnIargAlaAlaAsnSerGluGluSer 73

Db 276 AATATACTGGGGAGAGCTGCTGAGGCTTACGGCTGAGGAGCTCCAGGATCTCA 335

Qy 74 GlnArgGluLeuLysGlyLysIleAspThrIleLeuLysLeuAsnGluLysSerLys 93

Db 336 CAAGGAACTCAAAGAAATGATGAGAAACTCTTGGCAAGGCTGGATGAAATCCAAA 395

Qy 94 GluGlnGluGluLeuLeuGlnLysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAla 113  
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 Qy 134 --HisGlyProPheGlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlyGln 152  
 Db 516 TCCTCTGGATCATTTAAATTGGAAAAGTAGTCAGAGAAATGCTTGGATGCCCG 575  
 Qy 153 LeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeuGlnAlaIleSerHisthr 172  
 Db 576 TTATGGAAATTAAACACACACAGAACTGGCTCATCCAGCAGGACTTCATTC 635  
 Qy 173 ThrSerProPheTriPleGlyIleuHisArgLysLysProGlyGlnProTrpLeuTrpGlu 192  
 Db 636 ACCTTCCCATTCGGATTGGATTGTCGGAGAACCCGACTACTCATGGCTCTGGAA 695  
 Qy 193 AsnGlyThrProLeuAsnPheGlnPhePheAlaSerLeuGlnLeuTyr 212  
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 Db 756 CCTTCAGGACCTGGATAATACAGAAGGCAAATGTTTGCTGAGACTGATTIA 815  
 Qy 233 IleAlaPheSerIleCysGlnLysLysIleAsnHisLeuGln 246  
 Db 816 GTTGATACAGTATCTCAGAGAAGCAAAATCTGTTGAGA 857

Search completed: December 19, 2003, 01:39:00  
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